

NON-CONFIDENTIAL VERSION

PETITION FOR AN APPLICATION FOR ANTI-DUMPING DUTIES

PRODUCT

FLAT ROLLED PRODUCT OF ALUMINIUM AND ZINC COATED NON-ALLOY STEEL

ORIGINATING/EXPORTED FROM

**THE PEOPLE'S REPUBLIC OF CHINA (CHINA), REPUBLIC OF KOREA (KOREA) AND
SOCIALIST REPUBLIC OF VIETNAM (VIETNAM)**

FILED BY

**NS BLUESCOPE MALAYSIA SDN. BHD.
(Company No. 223136-P)**

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GENERAL INFORMATION

PETITIONER: NS BLUESCOPE MALAYSIA SDN BHD

PRODUCT (S) : FLAT ROLLED PRODUCT OF ALUMINIUM AND ZINC COATED
NON-ALLOY STEEL

PRODUCT DESCRIPTION:

FLAT ROLLED PRODUCT OF IRON OR NON-ALLOY STEEL PLATED OR COATED WITH ALUMINIUM AND ZINC OF A WIDTH OF (A) 600MM OR MORE; AND (B) 600MM OR LESS. THE PRODUCT MAY COME IN COIL FORM OR NOT IN COIL FORM WHETHER OR NOT PLAIN, CORRUGATED OR IN PROFILED FORM AND MAY BE SKIN-PASSED/PROCESSED ON TEMPER-MILL OR NON-SKIN-PASSED, NOT PAINTED WHETHER OR NOT INCLUDING RESIN COATING.

HS CODES:

HS CODE (NEW): CUSTOMS DUTIES ORDER 2017 (EFFECTIVE 1ST APRIL 2017)

7210.61.1100, 7210.61.1200, 7210.61.1900, 7210.61.9100, 7210.61.9200, 7210.61.9900,
7212.50.2300, 7212.50.2490, 7212.50.2910, 7212.50.2990.

HS CODE (OLD): CUSTOMS DUTIES ORDER 2012

7210.61.310, 7210.61.390, 7210.61.900, 7210.61.1100, 7210.61.1200, 7210.61.1900,
7210.61.9100, 7210.61.9200, 7210.61.9900, 7212502190, 7212502200, 721250210.

Note: The HS Codes are indicative and given for information only and these classifications of the subject merchandise have no binding effect on the scope of this petition seeking anti-dumping trade measure.

ORIGINATING IN:

SOCIALIST REPUBLIC OF VIETNAM (VIETNAM), THE PEOPLE'S REPUBLIC OF CHINA (CHINA) AND REPUBLIC OF KOREA (KOREA)

EXPORTED FROM:

SOCIALIST REPUBLIC OF VIETNAM (VIETNAM), THE PEOPLE'S REPUBLIC OF CHINA (CHINA) AND REPUBLIC OF KOREA (KOREA)

PERIOD OF INVESTIGATION FOR DUMPING:

Year 1 : 1 AUGUST 2016 TO 31 JULY 2017

Year 2 : 1 AUGUST 2017 TO 31 JULY 2018

Period of Investigation (POI) : 1 AUGUST 2018 TO 31 JULY 2019

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STATUTORY REFERENCE:

Countervailing and Anti-Dumping Duties Act 1993
Countervailing and Anti-Dumping Duties Regulations 1994
Article VI of the General Agreement on Tariffs and Trade 1994

SUBMIT THE PETITION TO:

THE DIRECTOR
TRADE PRACTICES SECTION
MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY
LEVEL 9, NO. 7, MITI TOWER, JALAN SULTAN HAJI AHMAD SHAH
50480 KUALA LUMPUR
Email : alltps@miti.gov.my

FACSIMILE: 603-6201 6394

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**SECTION A
PETITIONERS INFORMATION**

A-1 Petitioner's Contact Information

Company

Name : NS BLUESCOPE MALAYSIA SDN BHD (223136-P)
Address : Level 11, Tower 8, UOA Business Park,
No. 1, Jalan Pengaturcara U1/51A, Seksyen U1, 40150 Shah
Alam, Selangor Darul Ehsan, Malaysia
Telephone : 603 5022 1000
Email : info@bluescope.com
Web page : www.bluescope.com.my

Factory

Name : NS BLUESCOPE MALAYSIA SDN BHD (223136-P)
Address : Lot 1551, Jalan Bukit Kapar, 42200 Kapar,
Selangor Darul Ehsan, Malaysia
Telephone : 603 3361 6888
Email : info@bluescope.com

Contact person

Name : Rayvathi Rajendra
Position/Designation: VP Legal
Address : Level 11, Tower 8, UOA Business Park,
No. 1, Jalan Pengaturcara U1/51A, Seksyen U1,
40150 Shah Alam, Selangor Darul Ehsan, Malaysia
Telephone : 603 5022 1191
Email : Rayvathi.Rajendra@bluescope.com

A-2 Legal Representative of the Petitioner

Name of legal representative/consultant: Jason Tan
Firm : Lee Hishammuddin Allen & Gledhill
Name of contact person : Jason Tan
Address : Level 6, Menara 1 Dutamas, No. 1,
Jalan Dutamas 1, 50480 Kuala Lumpur
Telephone : 0123707037
Email : tjx@lh-ag.com

A-3 Corporate Information of the Petitioner

NS Bluescope Malaysia Sdn Bhd (herein referred to as “**NS Bluescope**”) is a private limited liability – incorporated & domiciled in Malaysia. NS Bluescope’s shareholdings are provided in the table below:

Table A-3.1: Shareholdings

Name of shareholder	Activity of shareholder	Percentage of share holding
NS Bluescope Lysaght Singapore Pte Ltd	Investment holding, design, manufacturing, and installation of steel building solutions and roll-formed and pressed steel roofing, sheeting, cladding and decking. Also acts as an agent providing sales support to other related companies within South East Asia	100%

Please refer to the diagram below for NS Bluescope’s organisational structure (submitted in confidential version).

- Appendix A1: Overall organisational chart and detail organisational structure of NS Bluescope.
- Appendix A2, A3, A4: Copies of Form 9, Form 13, Form 24, Form 49 and Form 58 corporate information.
- Appendix A5(iii): Latest statement of Financial Position and statement of Profit and Loss at 30 June 2019.

Table A-3.2: Listing of Related Companies

Submitted in confidential version.

SECTION B
ACCOUNTING SYSTEM AND POLICIES

Accounting System and Policies

The financial year of NS Bluescope begins on 1st July every year and ends on 31st June to indicate the accounting period or financial year.

For information relating to its financial reporting refer to Appendix A5, Appendix A5(ii) and Appendix A5(iii) for NS BlueScope's Audited Accounts for 2017, 2018 and 2019 respectively provided in **Confidential Submission**.

**SECTION C
DOMESTIC INDUSTRY**

NS Bluescope is the sole producer of the like products in the domestic market and therefore fulfils the necessary requirements to present the petition as it accounts for:

- More than 50% of the total production of the like product by producers supporting/opposing the petition; and
- More than 25% of the total Malaysian production of the like products.

Table C-1: Total Production of Domestic Industry During POI

Model/Grade/Type of products	Volume
FLAT ROLLED PRODUCT OF ALUMINIUM AND ZINC COATED NON-ALLOY STEEL	
A. Petitioner(s)	
NS BLUESCOPE MALAYSIA SDN. BHD.	***MT
B. Companies supporting the application	N.A.
TOTAL (A+B)	
C. Companies opposing on the application	N.A.
D. Companies not commenting on the application - neutral (estimated)	N.A.
E. Total Malaysian Production (estimated) A+B+C+D=E	***MT
F. Of the companies that have commented, the portion of production represented by companies supporting the application is (%) [(A+B)/(A+B+C)]x100	100%
G. The portion of total production supporting the application is (%) [(A+B)/(E)]x100	100%

Based on the foregoing as the only producer of the Product Under Investigation (PUI), the NS Bluescope (Petitioner) has satisfied the requirement of standing that those supporting the Petition account for:

- More than 50% of the total production of the Like Product by producers supporting or opposing the Petition; and
- More than 25% of the total Malaysian production of the Like Products.

SECTION D
PRODUCT DESCRIPTION

D-1 Product Specifications

The Product Under Investigation (PUI) is: aluminium/zinc alloy coated steel sheet in coil form, manufactured through continuous hot-dip process. The product may come in coil form or not in coil form whether or not plain, corrugated or in profiled form and may be skin-passed/processed on temper-mill or non-skin-passed, not painted whether or not including resin coating. BIEC International Inc. is the worldwide licensor of technology and know-how associated with 55% Aluminium-Zinc alloy coated sheet steel (also known as GALVALUME®). The licensor is open to prospective manufacturer, contactable through website: <http://www.galvalume.com/galvalume/>. It has also published licensees worldwide who has obtained such license. Currently the product is commonly referred to in various descriptions/names.

The following is a non-exhaustive list of descriptions/names of the PUI:

- Hot-dip 55% Al-Zn coated steel
- Hot-dip 55% aluminium-zinc alloy-coated steel sheet and strip (JIS G 3321)
- Hot-dip 55% aluminium/zinc coated steel
- Hot-dip aluminium/zinc-coated steel
- Hot-dip galvanized steel (AZ)
- 55% Al-Zn coated steel
- 55% Aluminium-Zinc alloy coated steel
- GALVALUME® steel
- Galvalume
- GL
- AZ coated steel
- Aluzinc
- Galvanized steel coil (AZ)
- Steel Sheet, 55% aluminium-zinc alloy-coated by the hot dip process (ASTM A792/792M)
- Anti-fingerprint hot-dip galvanized steel (AZ)
- Acrylic coated 55% Al-Zn alloy coated steel
- Corrosion resistant aluminium-zinc alloy-coated steel
- Continuous hot-dip aluminium/zinc alloy-coated sheet of commercial, drawing and structural qualities (MS 1196)
- Continuous hot-dip metallic coated steel sheet and strip (AS 1397)
- ZINCALUME® steel;
- Supalume, Superlume, ZAM, GALFAN;

The PUI is broadly used, but not limited to, in construction industry, typically manufactured into corrugated sheets for external cladding (roof and wall) and façade, or other forms for lightweight structural steel, door framing, rainwater goods (gutter and downpipe), shutter door, garage door, signage, appliance panels, air conditioning ducting, etc.

Full details of the products produced and/or exported by NS Bluescope include:

- a. physical, technical and chemical characteristics;

Physical properties:

Products delivered in coil form; thickness ranging from 0.20mm to 1.20mm; width of coil as produced ranging from 600mm to 1250mm, but can be sheared into narrower width, i.e. <600mm.

Mechanical properties:

Steel grade is defined by tensile test, where yield strength, tensile strength and elongation are tested from every batch. Coating adhesion is tested through bend test, requirements can be found in MS 1196:2004.

Chemical properties:

Coating designation of "AZ" is used for aluminium/zinc alloy coating. The nominal composition of the coating is 55% aluminium, 43.5% zinc and 1.5% silicon, as defined by BIEC International Inc. BlueScope's products as listed below are finished with BlueScope's proprietary surface treatment of passivation and clear resin coating. For products to be used in lightweight framing and structural usage, the finishing is in blue tinted resin coating instead of clear resin coating.

Source: http://www.steelroofing.com/trade_specs_produ.html

- b. end usage;

Commonly used for roofing, walling, hoarding, ceiling, structural steel building frame, and general manufacturing articles such as door frame, rainwater goods, shutter door, garage door, signage, appliance panels, air conditioning ducting, etc.

- c. brand names;

ZINCALUME®, TRUECORE®, ZACS®, BLUESCOPE ZACS®, LUMBA™.

The brands are printed on the reverse side of the product for ease of tracking. Below are samples of the branding text information.

For product identification and originality, please check the reverse side of the coil for the following branding text.

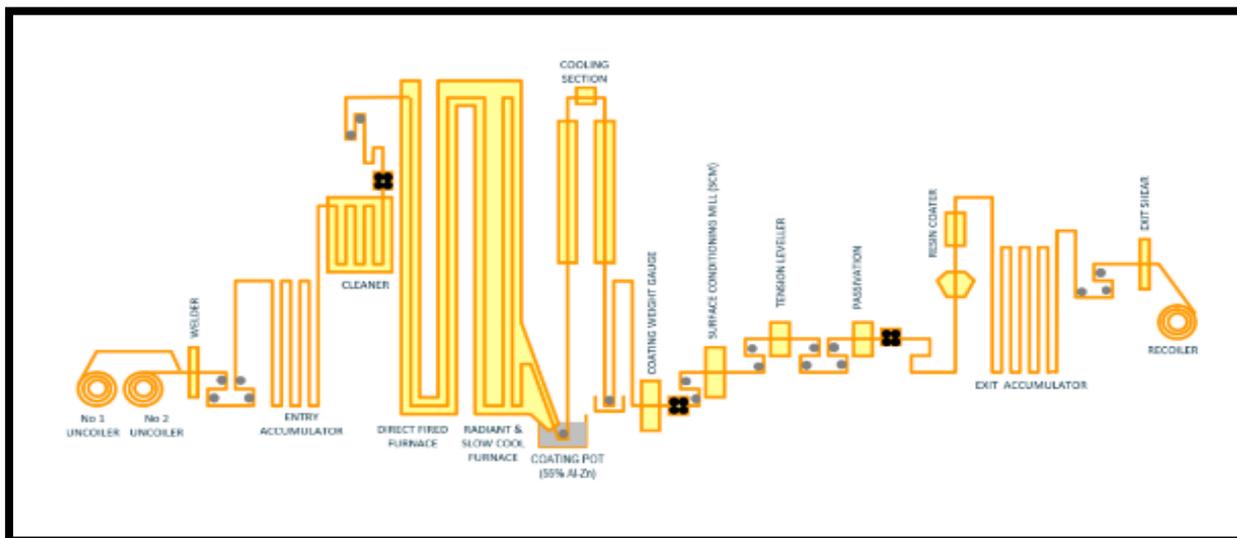
ZINCALUME (R) steel made by BlueScope 2018 07 APR 13 11

For product identification and originality, please check the reverse side of the coil for the following branding text.

TRUECORE (R) AZ150 6550 steel made by BlueScope 18 04 APR 13 11

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d. production process including flow chart;



- e. specification; and
 Products produced are according to MS 1196 and AS 1397. For the specification of each products, kindly refer to below Table D-1A.
- f. illustrative materials i.e. brochures, catalogues etc.
 Kindly refers to Table D-1A below for product brochures, and technical datasheets of the listed brands above.

Table D-1A

Brand	Coating Mass Designation	Steel Grade Designation	Thickness Range (mm)	Width Range (mm)
ZINCALUME®	AZ150, AZ200	G300, G550	0.20 – 1.20	600 – 1250
TRUECORE®	AZ150	G550	0.20 – 1.20	600 – 1250
ZACS®	AZ70, AZ90, AZ100	G300	0.20 – 1.20	600 – 1250
BLUESCOPE ZACS®	AZ90, AZ100	G300, G550	0.20 – 1.20	600 – 1250
LUMBA™	AZ70	G550	0.40 – 1.00	600 – 1250

Note:

- The above products having coating type of N – Normal spangle coating (as coated) and surface treatment of C – Mill Passivation.
- The above coating mass and steel grade designation can be found in MS 1196:2004.
- All products above are finished with a layer of proprietary resin coating.

NS Bluescope’s own product coding system.

0.42 x 914mm Zincalume® AZ150 G550 Steel Clear PC4601					
Thickness (mm)	Width (mm)	Brand Name	Coating mass (g/m ²)	Grade	Treatment

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0.42	914	Zincalume	AZ150	G550	Clear PC4601
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Subject merchandise against which action is sought:

The Subject Merchandise is aluminium/zinc alloy coated steel sheet in coil form, manufactured through continuous hot-dip process. It can be manufactured in various countries outside of Malaysia, such as China, Vietnam and Korea. The manufacturer could be licensee or non-licensee of BIEC International Inc. As mentioned in brief overview of the PUI, there is a nominal composition for aluminium/zinc alloy coated steel, where it is governed by the licensor, i.e. BIEC International Inc.

However, manufacturers without such license are claiming their products with similar composition by publishing it in their marketing collaterals and by getting their products certified to the standards relevant to such products, i.e. MS 1196, AS 1397, JIS G 3321, ASTM A792/792M, etc. However, these standards reveal that there is no analysis to verify such metallic composition is true for certified products.

The following is a summary of the manufacturing of the subject merchandise of exporters from Vietnam, China and Korea.

From Vietnam:

1. **Hoa Sen Group (HSG)**

Source:

<https://hoasengroup.vn/en/product/aluminumzinc-alloycoated-steel-sheet/130>

a. Physical, technical and chemical characteristics;

JAPANESE INDUSTRIAL STANDARD JIS G3321							
Bending	OT - 2T						
Tensile strength	Min 270 MPa						
Coating mass	<table border="1"><tr><td>- AZ050 - 50g/m²</td><td>- AZ150 - 150g/m²</td></tr><tr><td>- AZ070 - 70g/m²</td><td>- AZ180 - 180g/m²</td></tr><tr><td>- AZ100 - 100g/m²</td><td>- AZ200 - 200g/m²</td></tr></table>	- AZ050 - 50g/m ²	- AZ150 - 150g/m ²	- AZ070 - 70g/m ²	- AZ180 - 180g/m ²	- AZ100 - 100g/m ²	- AZ200 - 200g/m ²
- AZ050 - 50g/m ²	- AZ150 - 150g/m ²						
- AZ070 - 70g/m ²	- AZ180 - 180g/m ²						
- AZ100 - 100g/m ²	- AZ200 - 200g/m ²						
Base metal thickness	0.16 ÷ 1.2mm						
Width	750 ÷ 1250mm						

As published from SIRIM database.

Mismatch of Base Metal Thicknesses with published source.

PRODUCT CERTIFICATION	
License No. :	PC000750
License Status :	Certified
Company Name	HOA SEN GROUP (HSG)
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	TON HOA SEN, HOA SEN GROUP
Model	GRADE - G250, G300, G350, G350 (STRUCTURAL QUALITY); GRADE - C01 (COMMERCIAL QUALITY)
Type	COATING TYPE - N ? NORMAL SPANGLE COATING (AS-COATED), S - SKIN-PASSED FOR IMPROVED SURFACE (SMOOTHER) CONDITION; SURFACE TREATMENT - A ? OILING, B ? MILL PASSIVATION PLUS OILING, C ? MILL PASSIVATION
Rating	COATING DESIGNATION - AZ070, AZ090, AZ100, AZ150; COATING COMPOSITION - 55% ALUMINIUM + ZINC
Size	BASE METAL THICKNESS (mm) = 0.13-1.5, WIDTH (mm) = MAXIMUM 1250
Remark	
Expiry Date	30/08/2019

b. end usage;

Corrugated forming:
- Adjust the gap of rollers to fit in steel sheet thickness.
- Rollers and forming rolls should be cleaned before corrugated forming.
- Select steel sheet with an appropriate hardness and tensile strength when processing, especially in Klip Lock, Seam Lock, roof tiles, purlin or gutter roll forming.
- Do not use lubricant for corrugated forming.
- Should not roll steel sheet with too small radius because it can cause crack to the protective coating layers of the steel sheet .

c. brand names;
Ton Hoa Sen

d. production process including flow chart;
Not stated specifically

e. specification; and
Refer to above “Physical, technical and chemical characteristics” section.

f. illustrative material i.e. brochures, catalogues etc.
No brochures.

2. Maruichi Sun Steel Joint Stock Company

Source:

[https://www.maruichisunsteel.com/public/files/news/original/JIS_G3321_&_3322_\(2016APR\).pdf](https://www.maruichisunsteel.com/public/files/news/original/JIS_G3321_&_3322_(2016APR).pdf)

JIS G 3321 SUNCOAT55 Tồn lạnh tráng hợp kim nhôm kẽm 55% với chất lượng Nhật Bản
Hot-dip 55% aluminum-zinc coated steel coil with Japan Quality

SUNCOAT55 là sản phẩm có độ bền cao nhờ lớp mạ kẽm và tính chống ăn mòn cao của lớp mạ nhôm. SUNCOAT55 is an excellent product that has both superior corrosion resistance of aluminum and sacrificial protection ability of zinc.

Kết cấu tiêu chuẩn Coating composition **Cấu tạo mặt cắt** Cross-section of coated coil

Kết cấu tiêu chuẩn của tồn lạnh hợp kim nhôm kẽm 55%
Coating composition of hot-dip 55% aluminum-zinc coated steel coil

Thành phần hoá học Element	Tỷ lệ trọng lượng Weight ratio	Tỷ lệ thể tích Volume ratio
Al	55,0	80
Zn	43,4	19
Si	1,6	1

Xử lý phủ Rn	Chromate resin treatment
Lớp mạ	55% Al-Zn coating layer
Thép cán nguội	Cold rolled coil
Lớp mạ	55% Al-Zn coating layer
Xử lý phủ Rn	Chromate resin treatment

- a. Physical, technical and chemical characteristics;
As published from source.

Phạm vi đang sản xuất Available products range

Ký hiệu chủng loại a) Grade symbol a)	Áp dụng Application	Độ dày biểu thị b) Nominal thickness b)	Khổ rộng Width	Ký hiệu lượng mạ kẽm Coating mass symbol
SGLCC	Dùng chung For commercial use	0.20 - 0.72 mm (0.73-1.20mm: Đang chuẩn bị ®) (in preparation ®)	914 - 1219 mm	AZ70 AZ90 AZ120 AZ150
SGLC570	Dùng chung cho đẳng cấp Cường độ cao For commercial use of high strength class			

a) Trường hợp dùng làm mái nhà hoặc dùng làm tấm ngoài xây dựng, ngay phần cuối ký hiệu chủng loại theo bảng trên, gắn ký hiệu thể hiện dùng làm mái nhà, gắn ký hiệu A để thể hiện dùng làm tấm ngoài xây dựng. Độ dày biểu thị và kí hiệu biểu thị lượng mạ kẽm áp dụng trong trường hợp này, được căn cứ theo phụ biểu JA của JIS G 3321.
For coils used for roofing and architectural siding, the symbol R indicating roofing or the symbol A indicating architectural siding shall be suffixed to the symbol of grade in above table. In this case, applicable nominal thickness and symbol of coating mass shall be in accordance with Annex JA of JIS G 3321.

b) Độ dày thép cuộn: Gọi độ dày thép cuộn nguyên liệu trước khi mạ kẽm là độ dày biểu thị. Gọi độ dày sau khi mạ kẽm lên thép cuộn nguyên liệu là độ dày sản phẩm.
For the thickness of coil, the thickness of the base metal prior to coating shall be regarded as the nominal thickness and the thickness after coating on base metal shall be regarded as the product thickness.

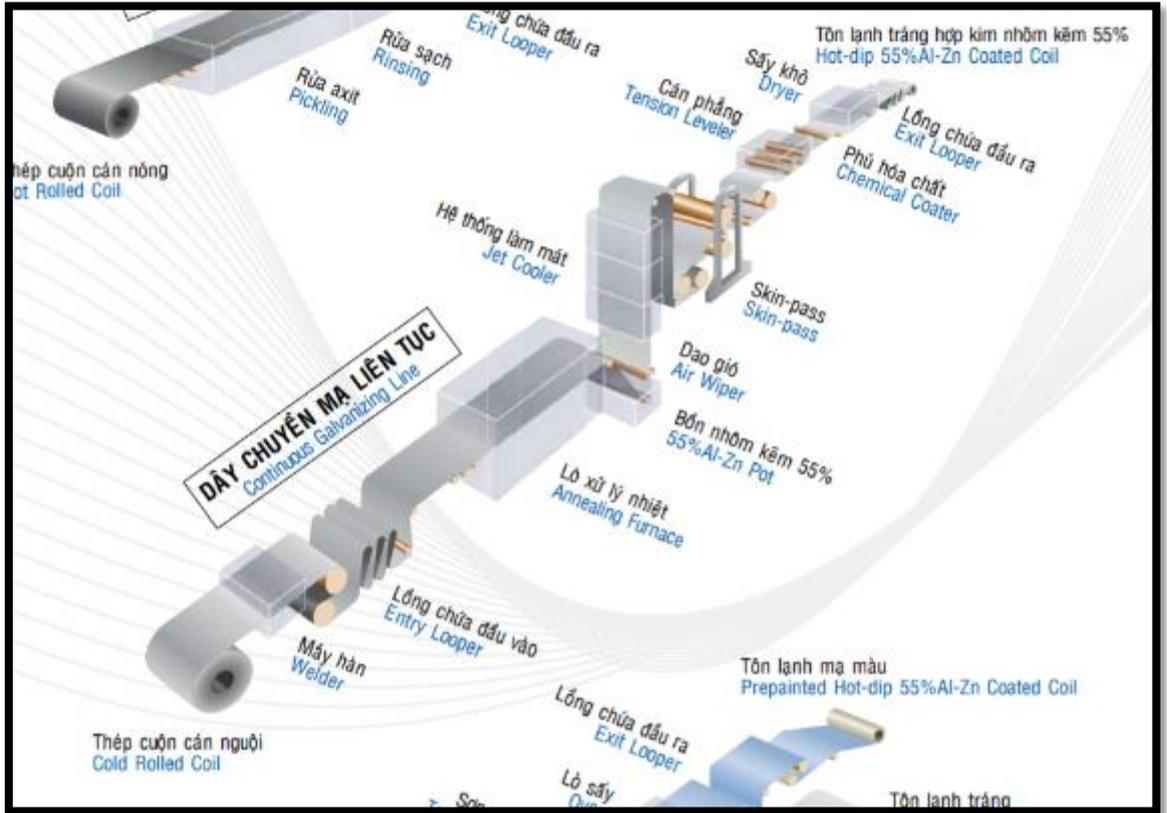
As published from SIRIM database.

License No. :	PC000710
License Status :	Certified
Company Name	MARUICHI SUN STEEL JOINT STOCK COMPANY
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	SUNCOAT55
Model	BASE METAL QUALITY : STRUCTURAL QUALITY - G250, G300, G350, G550, COMMERCIAL QUALITY - G01
Type	COATING TYPE = N (NORMAL SPANGLER COATING (AS COATED)), S (SKIN PASSED FOR IMPROVED SURFACE (SMOOTHER) CONDITION); SURFACE TREATMENT = A (OILING), D (NO SURFACE TREATMENT)
Rating	COATING MASS DESIGNATION = AZ070, AZ090, AZ100, AZ150
Size	BASE METAL THICKNESS (mm) = 0.20 - 1.20, WIDTH (mm) = MAXIMUM 1219
Remark	
Expiry Date	02/08/2019

- b. end use;
Not specified.
- c. brand names;

Suncoat55

d. production process including flow chart;



e. specification; and

Refer to above “Physical, technical and chemical characteristics” section.

f. illustrative material i.e. brochures, catalogues etc.

[https://www.maruichisunsteel.com/public/files/news/original/JIS_G3321_&_3322_\(2016APR\).pdf](https://www.maruichisunsteel.com/public/files/news/original/JIS_G3321_&_3322_(2016APR).pdf)

3. Nam Kim Steel Joint Stock Company

Source: <http://namkimsteel.net/metal-coatings/hot-dip-55-aluminium-zinc-alloy-metal-coatings-gl/>

Our Services Hot-dip 55% Aluminium – Zinc alloy metal coatings (GL) from Vietnam

NAM KIM Steel JSC is one of leading steel manufacturer in Vietnam

Our main markets are Southeast Asia, Middle East, South Asia, Indonesia, Singapore, Myanmar, Phillipine, Japan, Korea, etc.

Our products have certificated by many standards: ISO (ISO 9001: 2000, ISO 14001: 2004), JIS (Japan Industrial Standard) JIS G3341, G3322, G3321, G3312, G3302, USA (ASTM A792/792M), Australia (AS 1397(G550), AS 1385(G300))...

There are our several products as follows:

- ✦ Galvanized Steel Sheet in Coil (GI)

a. Physical, technical and chemical characteristics;

As published from source.

Technical parameters of Alu zinc Galvalume steel coil	
Capacity	300,000 tons/year
Technology	NOF, hot dip galvanizing with air blade and wet skinpass technology
Standard	Japanese Standard: JIS G3321, US Standard ASTM A792, Australia Standard AS1397, European Standard BS EN 10346
Thickness	0.16 ÷ 1.2 mm
Width	750+1219mm
Coil weight	Max. 10 tons
Internal diameter	508 mm
Coating capacity	30 ÷ 200 g/m ²

Quality standard Alu zinc Galvalume steel coil	
Finished product surface	Regular Spangle
Surface treatment	Anti finger
T-Bend	0 – 3 T
Coating mass	AZ70: 70g/m ² /2 sides AZ100: 100g/m ² /2 sides AZ150: 150g/m ² /2 sides
Coating composition	Aluminum – zinc alloy, silicon: 55% Al – 43% Zn – 1.6% Si...
Yield strength	≥ 270 MPa (N/mm ²)
Internal diameter	508 mm

As published from SIRIM database.

License No. :	PC000780
License Status :	Certified
Company Name	NAM KIM STEEL JOINT STOCK COMPANY
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	TCN NAM KIM
Model	BASE METAL - GRADE - G01 (COMMERCIAL QUALITY)
Type	COATING TYPE = N ? NORMAL SPANGLE COATING (AS-COATED), S ? SKINPASSED FOR IMPROVED SURFACE (SMOOTHER) CONDITION; SURFACE TREATMENT = A - OILING, B-MILL PASSIVATION PLUS OILING, C -MILL PASSIVATION, D - NO SURFACE TREATMENT
Rating	COATING DESIGNATION = AZ070, AZ090, AZ100, AZ150; COATING COMPOSITION = 55% ALUMINIUM + ZINC
Size	BASE METAL - THICKNESS (mm) = 0.25 ? 1.5, WIDTH (mm) = MAXIMUM 1250
Remark	
Expiry Date	20/09/2019

b. end use;

Applications:

Industrial & civil construction.

Production of roofing, walls, ceilings, gutters...

Sliding door, rolling door, folding door..

Interior and exterior decoration.

Drainage pipes, air conditioning pipes.

Computer cases, electrical cabinets, washing machines...

c. brand names;

Ton Nam Kim

d. production process including flow chart;

Not shown.

e. specification; and

Refer to above “Physical, technical and chemical characteristics” section.

f. illustrative material i.e. brochures, catalogues etc.

Not published.

4. Tan Phuoc Khanh Trading and Manufacturing Coil Steel JSC

Source: <http://tanphuockhanh.com.vn/en/san-pham/galvanized-steel-coil-tpk-alzinc/>

Company Introduction



One of the leading company in trading and manufacturing coil steel. Our main products are Aluminium Zinc Coating Steel (GL) and Pre-painted Aluminium Zinc Coating Steel (PPQL) with capacity around 200,000 MT/year following JIS and ASTM standard. Our material (CRC) are imported from Nippon Steel, JFE or from high reputable local mills like POSCO and CSVC to make sure the quality is satisfy with all customers.

NON-CONFIDENTIAL VERSION

TPK's all GL-GI-PPGI products in coil, which were produced as Japan Standard JIS G3321 for alloy Al-Zn coated product (Galvalumed-GL) and JIS G3302 for Zn coated product (Galvanized-GI) & TPK's standard TGCS Adapted from N.D.F technology & continuous galvanizing hot-dip type. TPK's GL-GI-PPGI products has high durability against extremely severe weather environment.

Characteristics

- High anti-corrosion
- Long lasting brightness, no peeling off, no
- scratch
- Coating 43,5% Zn & 55% Al, 1,5% Si

- a. Physical, technical and chemical characteristics;
As published from source.

Dimension – Weight	
Thickness (mm)	0.16/18- 1.2
Width (mm)	914 ÷ 1250
Weight (kgs/ton)	5-10
Two (2) sides coating mass (gam/m2)	60-250
Coil inner diameter (Φmm)	508
Coil outer diameter (Φmm)	700-800-900-1000 (+/-)

As published from SIRIM database.

License No. :	PC001251
License Status :	Certified
Company Name	TAN PHUOC KHANH TRADING AND MANUFACTURING COIL STEEL JSC
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	TPK
Model	GRADE - G350, G550 (STRUCTURAL QUALITY)
Type	COATING FINISH TYPE - S - SKIN-PASSED FOR IMPROVED SURFACE (SMOOTHER) CONDITION; SURFACE TREATMENT - C - MILL PASSIVATION
Rating	COATING DESIGNATION = AZ070, AZ100, AZ150
Size	BASE METAL: THICKNESS (mm) = 0.20 TO 0.70; WIDTH (mm)=MAXIMUM 1219
Remark	
Expiry Date	03/07/2019

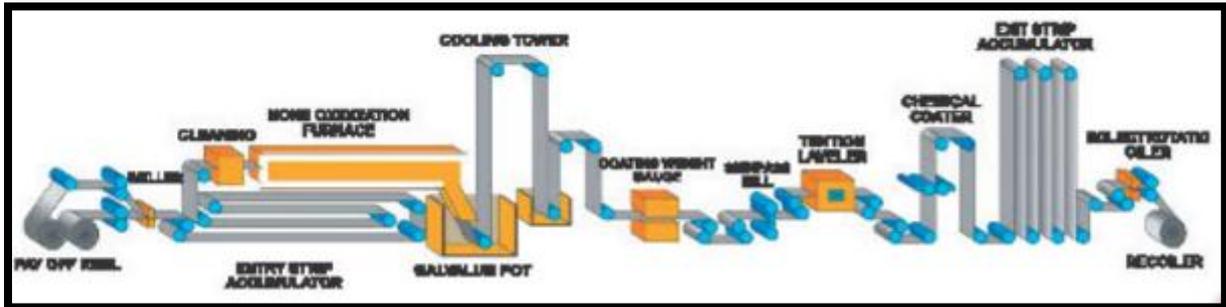
- b. end use;

Applicaitons

- Roofing industrail and civil works
- Making rolling door, wall
- Producing appliances, car body

NON-CONFIDENTIAL VERSION

- c. brand names;
TPK.
- d. production process including flow chart;



- e. specification; and
Refer to above “Physical, technical and chemical characteristics” section.
- f. illustrative material i.e. brochures, catalogues etc.
<http://tanphuockhanh.com.vn/catalog/file-catalogue-tpk-english-1536284083.pdf>

5. Southern Steel Sheet Co. Ltd.

Source: <http://www.tonphuongnam.com.vn/en/index/aluminium-zinc-coated-steel-sheet>

About the Company

Ngày đăng: 01/01/1970 - Lượt xem:

Southern Steel Sheet Co. Ltd. (SSSC) is a joint-venture of Vietnam Steel Corporation and the foreign partners: Sumitomo Corporation (Japan) and FIW Steel Sdn. Bhd. (Malaysia).

SSSC was established in on Jun. 09, 1995 accordance with the Investment Certificate No. 472023000615 issued thereof 4th on Aug. 26, 2014 by Dong Nai Industrial Zones Authority (DIZA).



ALUMINIUM-ZINC COATED STEEL SHEET

SSSC's aluminium-zinc coated steel sheet in coil (GL) is produced by the advanced NOF hot-dip continuous galvanizing line. The product has a very good corrosion resistance in the natural surroundings.

SSSC's GL coil has the glossy surfaces, its machinability is suitable for applications of fabrication, forming, etc.

The SSSC's GL is manufactured in compliance with the following standards:

- Japanese Industrial Standards JIS G3321.
- American Society for Testing and Materials ASTM A792/A792M.
- SSSC's standard: TCCS-03.

NON-CONFIDENTIAL VERSION

- a. Physical, technical and chemical characteristics;
As published from source.

1. TOTAL.

SSSC's aluminium-zinc coated steel sheet in coil (GL) is produced by the advanced NOF hot-dip continuous galvanizing line. The product has a very good corrosion resistance in the natural surroundings.

SSSC's GL coil has the glossy surfaces, its machinability is suitable for applications of fabrication, forming, etc.

The SSSC's GL is manufactured in compliance with the standards: JIS G3321, ASTM A792/A792M, SSSC's standard: TCCS-03.

Specifications of product

Thickness (mm)	0.16 ± 1.5
Width (mm)	Max. 1250
Unit coil weight (ton)	Max. 25
Average coating mass on both sides at triple-spot	300
Coil inner diameter (mm)	508 or 610

As published from SIRIM database.

License No. :	PC002402
License Status :	Certified
Company Name	SOUTHERN STEEL SHEET CO., LTD.
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	SSSC TON LANH VIET-NHAT
Model	GRADE: 550 (STRUCTURAL QUALITY)
Type	COATING FINISH TYPE : R = NORMAL/REGULAR COATING (AS PRODUCED), S = NORMAL/REGULAR COATING (SKIN PASSED); SURFACE TREATMENT: C = MILL PASSIVATION, CO = MILL PASSIVATION AND OILED, O = OILING, N = CHROMATE-FREE TREATMENT
Rating	COATING DESIGNATION = AZ50, AZ070, AZ090, AZ100, AZ120, AZ150
Size	BASE METAL THICKNESS (mm) = 0.25 - 0.75, MAXIMUM WIDTH (mm) = 1219
Remark	
Expiry Date	29/06/2019

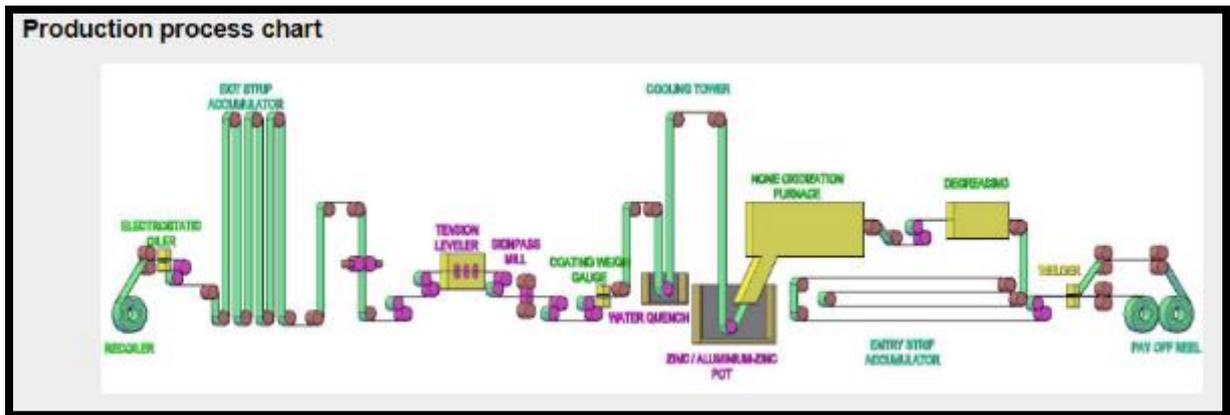
License No. :	PC002402
License Status :	Certified
Company Name	SOUTHERN STEEL SHEET CO., LTD.
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	SSSC TON LANH VIET-NHAT
Model	GRADE: 300 (STRUCTURAL QUALITY)
Type	COATING FINISH TYPE : R = NORMAL/REGULAR COATING (AS PRODUCED), S = NORMAL/REGULAR COATING (SKIN PASSED); SURFACE TREATMENT: C = MILL PASSIVATION, CO = MILL PASSIVATION AND OILED, O = OILING, N = CHROMATE-FREE TREATMENT
Rating	COATING DESIGNATION = AZ50, AZ070, AZ090, AZ100, AZ120, AZ150
Size	BASE METAL THICKNESS (mm) = 0.25 - 1.20, MAXIMUM WIDTH (mm) = 1245
Remark	
Expiry Date	29/06/2019

b. end use;



c. brand names;
SSSC TON LANH VIET-NHAT

d. production process including flow chart;



- e. specification; and
Refer to above "Physical, technical and chemical characteristics" section.
- f. illustrative material i.e. brochures, catalogues etc.
No brochures found on website.

6. Ton Dong A Corporation

Source: <http://www.tondonga.com.vn/en-US/product/galvalume-gl>

GAVALUME (GL)

The galvalume (GL), so-called as Hot Dip Continuous Galvalume Steel, refers to the cold rolled steel coated with Galvalume Ingot with composition of 55% of Al, 43.5% of Zn and 1.5% of Si. GL is characterized by high corrosion resistance with high thermal reflection against the traditional galvanized products (with useful life is 4 times higher than that of galvanized).

A GL coil is originated from the galvalume line.

GL is made of PO cold rolled steel, put into galvalume line with surface pickling phases and removing rusts once more, annealed in the NOF to change its mechanical properties. Then, it is coated with galvalume layer in accordance with the hot dip continuous galvalume principle with air blade technology and finally, it is covered with anti-oxygen surface protection layer (such as antifinger, oil, chrome, etc.).

More details of [galvalume line](#)

- a. Physical, technical and chemical characteristics;
As published from source.

Technical parameters	
Capacity	300,000 tons/year
Technology:	NOF, hot dip galvanizing with air blade and wet skinpass technology
Standard	Japanese Standard: JIS G3321, US Standard ASTM A792, Australia Standard AS1397, European Standard BS EN 10346
Thickness	0.16 ÷ 1.2 mm
Width	750÷1219mm
Coil weight	Max. 10 tons
Internal diameter	508 mm
Coating capacity	30 ÷ 200 g/m ²

Quality standard

Finished product surface	Regular Spangle
Surface treatment	Anti finger
T-Bend	0 - 3 T
Coating mass	AZ70: 70g/m ² /2 sides AZ100: 100g/m ² /2 sides AZ150: 150g/m ² /2 sides
Coating composition	Aluminum - zinc alloy, silicon: 55% Al - 43% Zn - 1.6% Si...
Yield strength	≥ 270 MPa (N/mm ²)
Internal diameter	508 mm

As published from SIRIM database.

License No. :	PC001669
License Status :	Certified
Company Name	TON DONG A CORPORATION
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	TON DONG A
Model	GRADE: G300, G550 (STRUCTURAL QUALITY)
Type	COATING FINISH TYPE : R = NORMAL/REGULAR COATING (AS PRODUCED), S = NORMAL/REGULAR COATING (SKIN PASSED); SURFACE TREATMENT: C = MILL PASSIVATION
Rating	COATING DESIGNATION = AZ070, AZ090, AZ100, AZ120, AZ150, AZ200; COATING COMPOSITION = 55% ALUMINIUM + ZINC
Size	BASE METAL: THICKNESS (mm) = 0.2 - 1.6; MAXIMUM WIDTH (mm) = 1250
Remark	
Expiry Date	03/04/2019

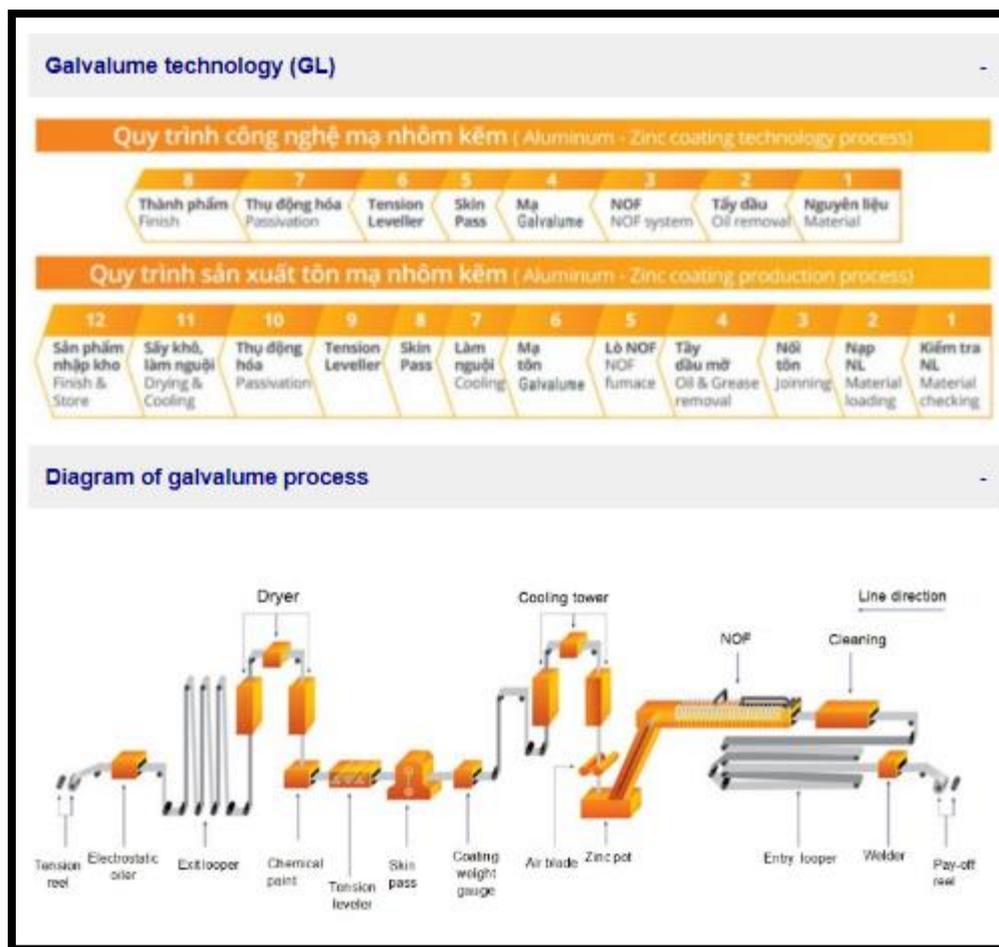
b. end use;

GL of the Corporation

GL is generally used for the civil and industrial engineering industry (such as roofing plate, partitions, ceiling partition, rolling door, etc.) or industrial power (such as house, cover of electrical equipment, etc.) and interior decoration.

c. brand names;
Ton Dong A

d. production process including flow chart;



- e. specification; and
Refer to above “Physical, technical and chemical characteristics” section.
- f. illustrative material i.e. brochures, catalogues etc.
No published brochures on website.

From China:

- **Angang Steel Company Limited**
No available information online regarding Subject Merchandise.
- **Jiangyin Zong Cheng Steel Co. Ltd.**
Source: <http://www.jyzcsteel.com.cn/en/product/chanxian/51.html>
 - a. Physical, technical and chemical characteristics;
As published from source.

NON-CONFIDENTIAL VERSION

Product Name Product	The thickness Thickness (mm)	Width Width (mm)	Inner diameter (mm) Coil ID
GL	0.23~1.2	800~1250	508/610

5. Relevant specifications

5.1, JIS G3321 Mechanical properties

Note: 1. The values in parentheses of JIS standard are listed here as a reference.

2. The amount of plating is AZ170, (AZ185), (AZ200) is not applicable to SGLCD models

5.2, JIS G3321 thickness tolerance

Line items Item	Indicate the project Information	Fan Example Example
1	Product Name (hot dip 55% aluminum zinc alloy steel coil) Product type (Flow of Hot-dipped 55% Alu-zinc)	Hot dip plating 55% aluminum-zinc alloy coil Flow of Hot-dipped 55% Alu-zinc
2	Specification Mark (JIS / ASTM or other catalog) Specification designation (JIS /ASTM or Others)	JIS G3321-2005
3	Finished surface finish (general / fine zinc flower) Surface finish (Regular / Mini spangle)	General Zinc Flower Regular Spangle
4	Tempered Skin pass	No
5	Coating mass	AZ150
6	Chemical treatment (chromic acid / fingerprint resistance) Chemical surface treatment (Chromating / Anti-finger print)	Chromic acid treatment Chromating treatment
7	Dimensions (thickness x width mm) Dimensions (Thickness x Width mm)	1.15 mm x 1219 mm
8	Mass (actual quality / theoretical quality / theoretical minimum mass) Mass (AW/TW/TMW)	Actual mass Actual mass
9	Single roll weight limit (minimum and maximum) (tons) Minimum & Maximum coil weight (metric tonnes)	6.0 ~ 8.0
10	Coil inner diameter (508 or 610mm) Coil inner diameter (mm)	610
11	Use Application	Floor panel Deck
12	Order Quantity (Tons) Order volume (metric tonnes)	500
13	Delivery date Delivery date	August 2008 August, 2008
14	Packing Packing requirement	According to company standards Company Standard
15	Special requirements Special Requirements	-

Zongcheng galvanized steel has a variety of specifications, customers can order steel product weight and use of steel. If the customer has any questions about the quality before ordering or using the company's products, please contact us.

JIS G3321	最小屈服点 Yield Point	最小抗拉强度 Tensile Strength	最小伸长率 Elongation %			
			公称厚度 Nominal Thickness mm (t)			
种类符号 Classification	N/mm ² (MPa)	N/mm ² (MPa)	0.25 ≤ t < 0.40	0.40 ≤ t < 0.60	0.60 ≤ t < 1.00	1.00 ≤ t < 1.60
SGLCC	(205 min)	(270 min)	(20 min)	(21 min)	(24 min)	(25 min)
SGLCD	-	270 min	-	27 min	31 min	32 min
SGLCDD	-	270 min	-	29 min	32 min	34 min
SGLC400	295 min	400 min	16 min	17 min	18 min	18 min
SGLC440	335 min	440 min	14 min	15 min	16 min	18 min
SGLC490	365 min	490 min	12 min	13 min	14 min	16 min
SGLC570	560 min	570 min	-	-	-	-

注： 1. JIS标准括号内的值在此作为参考列出。
2. 镀层量为AZ170, (AZ185), (AZ200) 不适用于SGLCD型号产品。

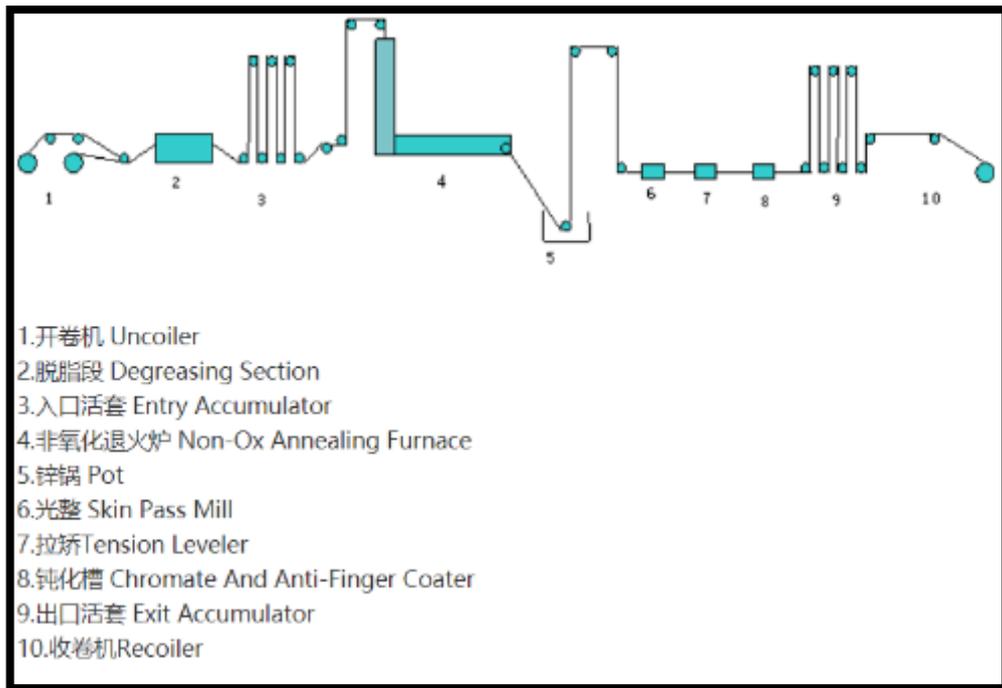
As published from SIRIM database.

License No. :	PC000839
License Status :	Certified
Company Name	JIANGYIN ZONG CHENG STEEL CO., LTD.
Product	HOT-DIP ALUMINIUM/ZINC COATED STEEL CDIL
Brand	ZCS
Model	GRADE - G350, G550 (STRUCTURAL QUALITY); GRADE - G01 (COMMERCIAL QUALITY)
Type	COATING TYPE-N-NORMAL SPANGLE COATING (AS-COATED), S-SKIN-PASSED FOR IMPROVED SURFACE (SMOOTHER) CONDITION; SURFACE TREATMENT=A-OILING, B-MILL PASSIVATION PLUS OILING, C-MILL PASSIVATION, D-NO SURFACE TREATMENT
Rating	COATING MASS DESIGNATION = AZ170, AZ185, AZ190, AZ195, AZ200, AZ210, AZ215; COATING COMPOSITION = 55% ALUMINIUM + ZINC
Size	BASE METAL : THICKNESS (mm) = 0.3 TO 1.2; WIDTH (mm) = MAXIMUM 1250
Remark	
Expiry Date	25/10/2019

b. end use;
Specific end use not mentioned on website.

c. brand names;
ZCS

production process including flow chart;



- d. specification; and
 Refer to above “Physical, technical and chemical characteristics” section.
- e. illustrative material i.e. brochures, catalogues etc.
 No published brochures on website.

Yieh Phui (China) Technomaterial Co. Ltd

Source: http://www.yiehphuichina.com/ypc_service_size_en.asp

- f. Physical, technical and chemical characteristics;
 As published from source.

» 55% Al-Zn coated Line

镀55%铝锌钢卷 Hot-dip 55%Al-Zn coated steel coils, PhuizerLume					
基材类别 Base Type	材质等级 Grade	厚度范围(mm) Thickness		宽度范围(mm) Width	
		起 From	迄 To	起 From	迄 To
冷轧基材 Cold rolled base	成型级 Forming Steel	0.28	2.00	700	1550
	深冲级 Deep Drawing Steel	0.28	2.00	700	1550
	一般用 Commercial Steel	0.17	2.00	700	1550
	结构级 Structural Steel	0.17	2.00	700	1550

Note: Range of coating mass designation that 55% Al-Zn coated products can produce: 70~225g/m²

As published from SIRIM database.

NON-CONFIDENTIAL VERSION

License No. :	PY009104
License Status :	Certified
Company Name	YIEH PHUI (CHINA) TECHNOMATERIAL CO. LTD
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	PHUIZERLUME
Model	COMMERCIAL QUALITY GRADE - G01
Type	
Rating	THICKNESS(MM) = 0.170 TO 2.000; WIDTH(MM) = 1530 MAX.; COATING TYPE = N(NORMAL SPANGLE), S(SKIN-PASSED FOR IMPROVEMENT); COATING MASS = AZ070, AZ090, AZ100, AZ150, AZ200; SURFACE TREATMENT = A(OILING), C(MILL PASSIVATION)
Size	
Remark	
Expiry Date	30/04/2019

License No. :	PY009104
License Status :	Certified
Company Name	YIEH PHUI (CHINA) TECHNOMATERIAL CO. LTD
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	PHUIZERLUME
Model	DRAWINGQUALITY GRADE - G02
Type	
Rating	THICKNESS(MM) = 0.170 TO 2.000; WIDTH(MM) = 1530 MAX.; COATING TYPE = N(NORMAL SPANGLE), S(SKIN-PASSED FOR IMPROVEMENT); COATING MASS = AZ070, AZ090, AZ100, AZ150, AZ200; SURFACE TREATMENT = A(OILING), C(MILL PASSIVATION)
Size	
Remark	
Expiry Date	30/04/2019

License No. :	PY009104
License Status :	Certified
Company Name	YIEH PHUI (CHINA) TECHNOMATERIAL CO. LTD
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	PHUIZERLUME
Model	STRUCTURAL STEELGRADE - G250, G300, G350, G550
Type	
Rating	THICKNESS(MM) = 0.170 TO 2.000; WIDTH(MM) = 1530 MAX.; COATING TYPE = N(NORMAL SPANGLE), S(SKIN-PASSED FOR IMPROVEMENT); COATING MASS = AZ070, AZ090, AZ100, AZ150, AZ200; SURFACE TREATMENT = A(OILING), C(MILL PASSIVATION)
Size	
Remark	
Expiry Date	30/04/2019

g. end use;

Applications of Hot-dip Galvanized Steel Sheet Products

PhuizerZinc, PhuizerFan & PhuizerLume in Yieh Phu(China) provide excellent weathering resistance, good adhesion and formability. PhuizerZinc, PhuizerFan & PhuizerLume are suitable for automotive parts, computer cases, partitions, vending machines, decks, scaffolding... , and so on. They can also be used as a base material for prepainted steel sheets.

 汽车组件/Automotive parts	 C2轻型钢板/C2 purlin	 空调风管/Ducting	 楼承板(101大楼实例) Floor Decks(Photo of Taipei 101)
 自动贩卖机/Vending machines	 过滤器/Filter	 鹰架钢管/Scaffolding	 电脑外壳/Computer cases
 高速公路护栏 Guardrails	 镀55%铝锌屋顶浪板 Galvalume roofing	 天花板轻钢骨架 Ceiling suspension bars	 谷仓 Grain bin (镀5%铝锌产品) 照片由加拿大Twister Pipe公司提供 Courtesy of Twister Pipe L.M., Canada

h. brand names;
PhuizerLume

i. production process including flow chart;



NON-CONFIDENTIAL VERSION

- j. specification; and
Refer to above “Physical, technical and chemical characteristics” section.
- k. illustrative material i.e. brochures, catalogues etc.
No published brochures on website.

- **Shandong ZhongTian Composite Material Co. Ltd.**

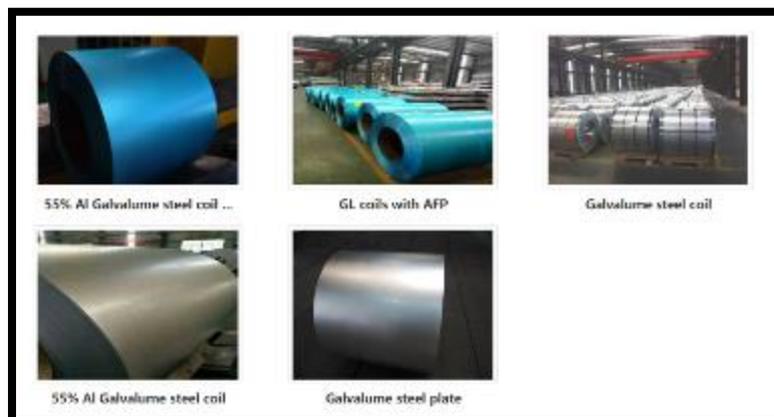
Source: http://en.sdztgb.com/products_list/pmcl=24.html

Galvalume is a product very similar to Galvanized steel with better corrosion resistance (up to three times the life of galvanized steel). The superior properties of Galvalume arise from the unique composition (43.5% Zn, 1.5% Si, 55% AL) of the metallic coating. Applications include roofing base material for pre-painting.

List of other products, including “(Boron Added) Galvalume”:



- a. Physical, technical and chemical characteristics;
As published from source.



Technical Specifications	
Standards	JIS, ASTM, AISI, GB etc
Size range	Thickness 0.14-0.7mm,width 750-1250mm
Temper	Full hard, half hard, soft
Coating	AZ40 ---AZ160
Coil Weight	2--10mt
Coil ID	508mm
Surface	Chromated / oiled /un-oiled /dry / AFP

As published from SIRIM database.

License No. :	PC003/29
License Status :	Certified
Company Name	SHANDONG ZHONGTIAN COMPOSITE MATERIAL CO. LTD.
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	ZHONGTIAN HANGLONG
Model	STRUCTURAL QUALITY = 300, 550
Type	COATING FINISH TYPE = R : NORMAL/REGULAR COATING (AS PRODUCED); S : NORMAL/REGULAR COATING (SKIN PASSED); SURFACE TREATMENT = C: MILL PASSIVATION; CO: MILL PASSIVATION AND OILED; O: OILING; N: CHROMATE FREE TREATMENT.
Rating	COATING DESIGNATION = AZ050, AZ070, AZ090, AZ100, AZ120, AZ150
Size	BASE METAL THICKNESS (mm) = 0.14 - 0.70; MAXIMUM WIDTH (mm) = 1220
Remark	
Expiry Date	13/07/2019

- b. end use;
Applications include roofing base material for pre-painting.
- c. brand names;
ZhongTian HangLong
- d. production process including flow chart;
No production process shown in website.
- e. specification; and
Refer to above “Physical, technical and chemical characteristics” section.
- f. illustrative material i.e. brochures, catalogues etc.
No published brochures on website.

From Korea

- Dongbu Steel Co. Ltd
Source: http://kgdongbusteel.co.kr/en/product/zinc/super_galum.jsp,

Super Galum (55% Aluminum-Zinc Alloy Coated Steel Sheet) CATALOG

Product introduction ^

SuperGalum® is the brand name for 55% aluminum-zinc coated steel sheet produced by KG Dongbu Steel. SuperGalum® is highly heat and corrosion resistant, combining the properties of aluminum which renders increased durability, excellent heat resistance, and formability, and those of zinc which offers high heat resistance and excellent corrosion protection. SuperGalum is three to six times more corrosion resistant than regular zinc coated steel sheet, with a 20-year warranty for residential use. Since 1998, KG Dongbu Steel has been producing SuperGalum under a licensing agreement with BIEC International Inc.

Composition of coated layers

Composition	Weigh Ratio (%)	Capacity Ratio (%)
aluminum	55.0	80
zinc	43.4	19
silicon	1.6	1

- a. Physical, technical and chemical characteristics;
As published from source.

Specifications ^

Production availability (CMS Table)

Classification by Coating Weight

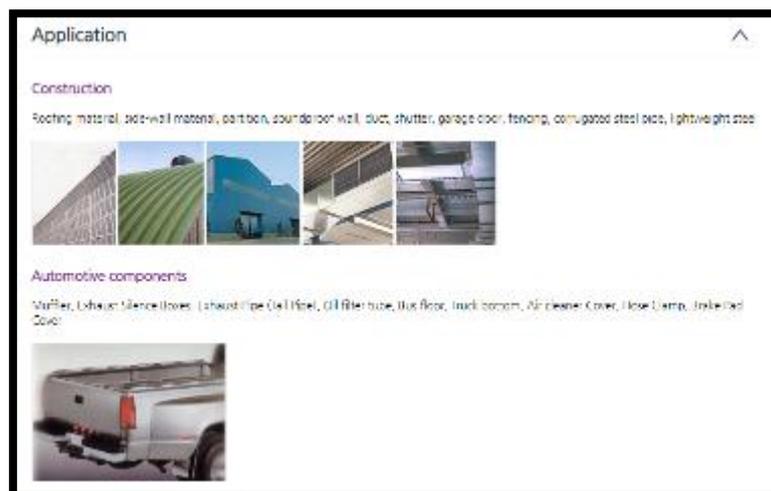
KS	ASTM	EN	Single-sided coating thickness(µm)	Double-sided	
				Triple Spot Test	Single Spot Test
AZ 70	-	-	9	70	66
AZ 70	-	-	12	90	77
-	-	100	13	100	85
AZ 120	-	-	16	120	102
AZ 150	AZM 150 A250	150	20	150	130(KS:128)
-	AZM 150 A250	-	22	165	150
AZ 170	-	-	22	170	145
-	AZM 150 A250	-	24	180	155

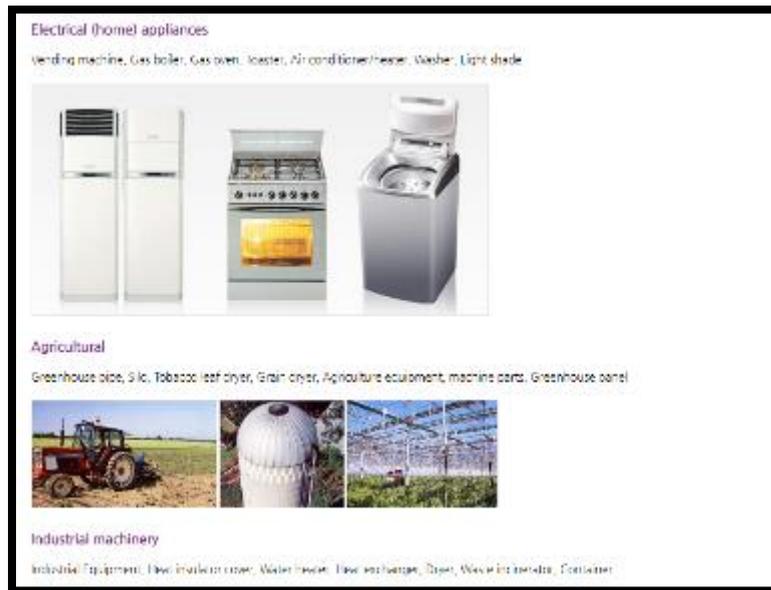
Classification by post-treatment	
Classification	Application
Chromate	Construction, Automotive components
No Chromate (+ Oiling)	Pre-painting
Chromate + Oiling	Exportation
No Chromate + Organic Coating	Roll Forming

As published from SIRIM database.

License No. :	PC001732
License Status :	Certified
Company Name	DONGBU STEEL CO. LTD.
Product	HOT-DIP ALUMINIUM/ZINC-COATED STEEL COIL
Brand	SuperGalum
Model	GRADE: 300, 360, 550 (STRUCTURAL QUALITY), 01 (COMMERCIAL QUALITY), 02 (DRAWING QUALITY), 03 (DEEP DRAWING QUALITY)
Type	COATING TYPE = R - NORMAL/REGULAR COATING (AS PRODUCED), S 7 NORMAL/REGULAR COATING (SKIN PASSED); SURFACE TREATMENT = C - MILL PASSIVATION, CO - MILL PASSIVATION AND OILED, O - OILING, N - CHROMATE-FREE TREATMENT
Rating	COATING DESIGNATION = AZ100, AZ120, AZ150; COATING COMPOSITION = 55% ALUMINIUM + ZINC
Size	BASE METAL: THICKNESS (mm) = 0.31 - 2.00; WIDTH (mm) = MAXIMUM 1500
Remark	
Expiry Date	15/05/2020

b. end use;





- c. brand names;
SuperGalum®
- d. production process including flow chart;
No production process shown in website
- e. specification; and
Refer to above “Physical, technical and chemical characteristics” section.
- f. illustrative material i.e. brochures, catalogues etc.
Brochure:
http://kgdongbusteel.co.kr/_res/en/etc/GI_SGL_EGI_ALCOT_Eng.pdf

Table D-1.5: Product Comparability

Types of Product Produced by your Company (Include codes and description)	Imported Competitive Products (Subject Merchandise) (Include codes and description) Description as per SIRIM database spec.	Identical Characteristics (Specify)	Differences (Specify)
ZINCALUME® TRUECORE® ZACS® BLUESCOPE ZACS® LUMBA™	HSG (Vietnam)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ200) • Steel grade (G300, G550) • Base Metal Thickness (0.2 – 1.2mm) • Width (up to 1250mm) 	<ul style="list-style-type: none"> • Base Metal Thickness (0.13 – 1.6mm, excluding 0.2 – 1.2mm)
	Suncoat55 (Vietnam)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ150) • Steel grade (G300, G550) • Base Metal Thickness (0.2 – 1.2mm) • Width (600 – 1219mm) 	<ul style="list-style-type: none"> • Steel grade (G250, G350, G01)
	Ton Nam Kim (Vietnam)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ150) • Base Metal Thickness (0.2 – 1.2mm) • Width (up to 1250mm) 	<ul style="list-style-type: none"> • Steel grade (G01) • Base Metal Thickness (1.2 – 1.5mm)
	TPK (Vietnam)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ150) • Steel grade (G550) • Base Metal Thickness (0.2 – 0.7mm) • Width (600 – 1219mm) 	<ul style="list-style-type: none"> • Steel grade (G350)
	SSSC TON LANH VIET-NHAT (Vietnam)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ150) • Steel grade (G300, G550) • Base Metal Thickness (0.2 – 1.20mm) • Width (up to 1245mm) 	<ul style="list-style-type: none"> • Coating designation (AZ50)
	Ton Dong A (Vietnam)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ200) • Steel grade (G300, G550) • Base Metal Thickness (0.2 – 1.2mm) • Width (up to 1250mm) 	<ul style="list-style-type: none"> • Base Metal Thickness (1.2 – 1.6mm)

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Types of Product Produced by your Company (Include codes and description)	Imported Competitive Products (Subject Merchandise) (Include codes and description) Description as per SIRIM database spec.	Identical Characteristics (Specify)	Differences (Specify)
ZINCALUME® TRUECORE® ZACS® BLUESCOPE ZACS® LUMBA™	ZCS (China)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ150) • Steel grade (G550) • Base Metal Thickness (0.3 – 1.2mm) • Width (up to 1250mm) 	<ul style="list-style-type: none"> • Steel grade (G350, G01) • Width (1219 – 1250mm)
	PhuizerLume (China)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ200) • Base Metal Thickness (0.2 – 1.2mm) • Width (up to 1250mm) 	<ul style="list-style-type: none"> • Steel grade (G01, G02) • Width (1251 – 1530mm) • Base Metal Thickness (0.17 – 2.0mm, excluding 0.2 – 1.2mm)
	ZhongTian HangLong (China)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ150) • Steel grade (G300, G550) • Base Metal Thickness (0.2 – 0.70mm) • Width (up to 1220mm) 	
	SuperGalum® (Korea)	<ul style="list-style-type: none"> • Coating designation (AZ70 – AZ150) • Steel grade (G300, G550) • Base Metal Thickness (0.31 – 1.20) • Width (up to 1250mm) 	<ul style="list-style-type: none"> • Steel grade (G350, G01, G02, G03) • Width (1251 – 1500mm)

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Table D-1.6 show the tariff classification and rate of duty applied to the Subject Merchandise

Table D-1.6: Tariff Classification

HS Code/ AHTN	Product Description	MFN Rate (%)	Preferential Rate (%)		
			ATIGA	ACFTA	AKFTA
7210.61	Flat-rolled products of iron or non-alloy steel, of a width of 600mm or more, clad, plated or coated with aluminium-zinc alloys: - Containing by weight less than 0.6% of carbon				
7210.61.1100	----- Of a thickness not exceeding 1.2mm	15	0	15	5
7210.61.1200	----- Of a thickness exceeding 1.2mm but not exceeding 1.5mm	15	0	15	5
7210.61.1900	---- Other	15	0	15	5
7210.61.9100	---- Other: Of a thickness not exceeding 1.2mm	15	0	0	5
7210.61.9200	---- Other, corrugated	15	0	0	5
7210.61.9900	---- Other	15	0	0	5
7212.50	Plated or coated with aluminium-zinc alloy				5
7212.50.2300	Plated or coated with aluminium-zinc alloy /Hoop & strip, width not exceeding 25mm	15	0	10	5
7212.50.2490	---- Other	15	0	10	5
7212.50.2910	---- Containing weight less than 0.6% of carbon	15	0	10	5
7212.50.2990	---- Other	15	0	10	5

SECTION E
DUMPING

E-1 Source of Imports

Table below illustrates the list of source countries of imports into Malaysia based on Department of Statistic, Malaysia for Year 1 to 3 of POI.

IMPORT VOLUME (HS Codes: 7210.61 & 7212.50)

COUNTRY	Year 1		Year 2		POI	
	VOLUME (MT)	%	VOLUME (MT)	%	VOLUME (MT)	%
ALLEGED COUNTRIES						
CHINA	15,622	14.6%	19,473	12.5%	29,285	17.1%
KOREA, REPUBLIC OF	5,412	5.1%	8,323	5.3%	10,317	6.0%
VIET NAM	48,629	45.6%	90,382	58.0%	104,585	61.2%
TOTAL ALLEGED COUNTRIES	69,663	65.3%	118,178	75.8%	144,187	84.4%
TOTAL NON-ALLEGED COUNTRIES	37,005	34.7%	37,702	24.2%	26,686	15.6%
GRAND TOTAL - IMPORTS	106,668	100.0%	155,880	100.0%	170,873	100.0%

(Source: Department Of Statistics Malaysia)

The volume of imports from the alleged countries are individually more than 3% of total import volume and is above the negligible volume.

List of Producers/exporters from Alleged Countries

The following, to the best of NS Bluescope's knowledge, is the list of foreign producers/exports from the alleged countries:-

No	Company	Address	Tel	Website/ Email
	<u>SOCIALIST REPUBLIC OF VIETNAM</u>			
1	Nam Kim Steel	Road N1, An Thanh Production Area, Thuan An District, Binh Duong, SOCIALIST REPUBLIC OF VIETNAM	(84-65) 3748 848	www.nakisco.com
2	Hoa Sen Group	No. 9, Thong Nhat Boulevard, Song Than 2 Industrial Park, Di An Ward, Di An District, Binh Duong Province, SOCIALIST REPUBLIC OF VIETNAM	(84 65)0 3790 955	
3	Tan Phuoc Khanh Trading & Manufacturing Coil	Phu My Industrial Zone 1, Tan Thanh District, Ba Ria – Vung Tau Province, SOCIALIST REPUBLIC OF VIETNAM	(0254) 3922761	www.tanphuockhanh.com.vn
4	Maruichi Sun Steel Joint Stock Company (Sunsco)	T 743 Road, Dong Tac Quarter, Tan Dong Hiep Ward Di An County, Binh Duong Province, SOCIALIST REPUBLIC OF VIETNAM	(84-274)-3742777	info@maruichisunsteel.com
5	Ton Dong A Corporation	Lot E, No. 5, Road 5, Song Than 1 Industrial Park, Di An Ward, Binh Duong, VIETNAM	+84-2743732575	www.tondonga.com.vn
6	Hoa Sen Nghe An One Member Limited Liabilities Company	Lot No. 1-8, Dong Hoi Industrial Park, Quynh Lap Commune, Hoang Mai Town, Nghe An Province, VIETNAM	(0238) 3 668 112	
7	Hoa Sen Nhon Hoi- inh Binh One Member Limited Liability Company	Hoi Son Hamlet, Nhon Hoi Commune, Quy Nhon City, Binh Dinh Province, VIETNAM	(0256) 222 0001	

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8	Southern Steel Sheet Co.Ltd	Street 3, Nhon Trach 2 Industrial Zone, Dong Nai, Dong Nai VIETNAM	+84-2513568379	info@tonphuongnam.com.vn
	THE PEOPLE'S REPUBLIC OF CHINA			
1	Angang Steel Company Limited	Angang factory Tie Xi District Anshan, 114021, CHINA	+86-4126729192	
2	Yieh Phui (THE PEOPLE'S REPUBLIC OF CHINA) Technomaterial Co., Ltd	Yiehphui Road, Riverside Industrial Park Changshu Economic Development Zone Jiangsu, People's RePublic Of THE PEOPLE'S REPUBLIC OF CHINA	(86-51)2-52298888	http://www.yiehphuiTHE PEOPLE'S REPUBLIC OF CHINA.com
3	Shandong Zhongtian Composite Material Co., Ltd.	61# Haier Road Qingdao, Shandong, PEOPLE'S REPUBLIC OF CHINA	86-15244272325	
4	JIANGYIN ZONG CHENG STEEL CO.LTD	No.568 Wuxing Road Jiangyin, Jiangsu, 214442 CHINA	+86-51068171190	
	REPUBLIC OF KOREA (KOREA)			
1.	DONGBU STEEL CO.LTD	435 Jungheung-ri, Songak-eup, Dangjin, Chungcheongnam-do, South Korea	+82 41-357-0122	

List of Importers

The following, to the best of NS Bluescope's knowledge, is the list of local importers:

No	Company	Address	Tel	Website
1	Murni Plus Industry Sdn Bhd	Lot 4115, Jalan Simpang Lima, Mukim Simpang IV, 83020, Batu Pahat, Johor	607-413 1888	www.murniplus.com
2	Profitline Industries Sdn Bhd	No. 9, Jalan Bendahara, Taman Puteri, 83000 Batu Pahat, Johor	607-437 2054	
3	Astino Metal Industries Sdn Bhd	1499 & 1500 (Lot Baru 10030), MK 11, Jalan Changkat, 14300 Nibong Tebal, Penang	604-585 6666	www.astino.com.my
4	BW Yee Seng Steel Industries Sdn Bhd	1571, Jalan Serunai, Kawasan Perindustrian Valdor, Mukim 12, 14200 Sungai Bakap, Seberang Perai Selatan, Penang	604 585 9999	www.bwysgroup.com
5	FIW Steel Sdn Bhd	No 3, Jalan Keluli Satu, Kawasan Perindustrian Bukit Raja Selatan, 40000 Shah Alam, Selangor	603 33431177	www.fiw.com.my
6	Hai-Point Steel Sdn Bhd	Lot 593 Jalan Piang Jaya, Bukit Pinang, 06200 Kedah	604-714 2487	www.haipoint.com.my
7	Rondo Metal Systems Sdn Bhd	Lot 606, Jalan Lagoon Selatan, 47500 Subang Jaya, Selangor	603-5614 9888	www.rondo.asia
8	SJ Classic Industries Sdn Bhd	Kg Parit Ju, Mk 4, Simpang Kiri, 83050 Batu Pahat, Johor	607 – 418 8888	www.sengdek.com

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9	Sumiputeh Steel Centre Sdn. Bhd	Lot 10, Persiaran Selangor, P.O.Box 7089, 40702 Shah Alam, Selangor	603-55195411	www.sumiputeh.com.my
10	YKGI Holdings Berhad	Lot 712 Block 7 Demak Laut Industrial Park, 93050 Kuching, Sarawak	6082 433 888	www.ykgigroup.com
11	Colourcoil Industries Sdn Bhd	Km 25, Off Jalan Tuaran, Telipok P.O Box 21918, 88777 Luyang, Kota Kinabalu, Sabah	6088 496222	www.colourcoil.com
12	Amcan Color Coating Industries Sdn Bhd	Lot 779, Jalan Demak 3, Setingkat Industri Park, 93050 Kuching, Sarawak	6082 432 323	www.amcancolor.com

E-2 Export Price

Table E-2.1: Export price

Country	Grade/Models/Type	Export price (CIF) (RM)
China	All grades	***
Korea	All grades	***
Vietnam	All grades	***

These export prices are obtained from data published by the Department of Statistics.

Please refer to Appendix A6: Import data and Appendix A7 for Calculations of export price and normal value (submitted in Confidential Version).

The above export prices are before adjustments. The export prices after adjustments are contained in Section E-5 below.

E-3 Selling Price (Normal Value) in the Exporter's Domestic Market

Table E-3.1: Selling price (normal value)

Country	Grade/Models/Type	Selling price (normal value) (RM)
China	***	***
Korea	***	***
Vietnam	***	***

CHINA

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Data published by *** was used as a basis for Normal Value determination. The pricing stated therein represents their domestic selling price of the Product Under Investigation.

The price conversion in RMB to RM was based on Bank Negara, Malaysia's exchange rate.

China's normal value is established at RM ***/MT.

Please see Appendix A8: China Normal Value (Submitted in Confidential Version).

Please see Appendix A7: Calculations (Submitted in Confidential Version).

KOREA

The domestic market prices of the Product Under Investigation from data published *** is used as a basis to determine Normal Value for Korea.

Using the most conservative and lowest market transacted price for the Product Under Investigation *** was used.

The level of this price is the transacted price at end consumer level ***KRW/MT. Deductions were made in order to obtain price at ex-works level.

The price conversion in KRW to RM was based on Bank Negara, Malaysia's exchange rate to obtain Normal Value. = RM *** / MT

Please refer to Appendix A9: Korea Normal Value (Submitted in Confidential version).

VIETNAM

The actual *** was obtained from Vietnam. The price stated therein represents Vietnam's domestic selling price of the Product Under Investigation at ex-works level.

The average selling price is: ***VND/kg, which translates to:

= RM ***/ MT, where the price conversion in KRW to RM was based on Bank Negara, Malaysia's exchange rate to obtain Normal Value

Please see Appendix A10: Vietnam Normal Value (Submitted in Confidential Version).

E-4 Adjustments

EXPORT PRICE TO EX-MILL PRICE ADJUSTMENTS

To ensure a fair comparison on the same basis for Export Price and Normal Value, both prices have been calculated on same basis at EX-MILL prices in RM/MT.

Adjustments where relevant have been made to arrive at ex-works prices.

For the Export Price the following adjustments have been used to convert Malaysia Department of Statistics (CIF terms) data and netted to Ex-Works terms:

COUNTRY	EXPORT PRICE CIF MALAYSIA (RM / MT)	ADJUSTMENTS: ***, ***, ***, WAREHOUSE AND ***, ***	EXPORT PRICE EX-WORKS (RM / MT)
CHINA	***	***	***
KOREA	***	***	***
VIETNAM	***	***	***

Please refer to Appendix A11: Freight Forwarding Charges (Submitted in Confidential Version)

E-5 Dumping Margin

$$\frac{\text{Normal value} - \text{Export price}}{\text{Export price}} \times 100 \% =$$

COUNTRY	AVERAGE NORMAL VALUE EX-WORKS (RM/MT) (1)	EXPORT PRICE EX- WORKS (RM/MT) (2)	DUMPING MARGIN (%)
CHINA	***	***	17.69%
KOREA	***	***	32.23%

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VIETNAM	***	***	39.27%
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SECTION F
MATERIAL INJURY (OPERATION)

F-1 Production and Capacity

Table F-1 below shows NS Bluescope's production capacity, actual production and capacity utilisation of the Like Products.

Table F-1: Capacity Utilisation PUI

Description	Year 1	Year 2	POI
A. Production capacity in units (MT)	100	100	100
B. Production Volume in units (PUI) (MT)	100	97	97
C. Capacity utilisation (%)	100	97	97

In Indices (Year 1 = 100)

NS Bluescope manufactures and sells PUI and inline painted products. In-line painted products are not within the scope of the present anti-dumping investigation.

Capacity utilisation decreased from ***% in Year 1 to ***% in Year 2 but remained at the same level during POI as in Year 2 despite increase in apparent consumption during POI.

NS Bluescope clearly suffered in terms of capacity utilization, not in line with the market expansion during POI.

F-2 Inventories

Table F-2.1 below shows the volume of inventories of NS Bluescope.

Table F-2.1: Inventories – PUI

Description	Year 1	Year 2	POI
Closing inventories	100	138	128

In Indices (Year 1 = 100)

NS Bluescope's inventories increased by double digit to ***% from Year 1 to Year 2, dropped slightly by single digit, by ***% during POI. Overall during POID, the inventories increased by double digit of ***%.

NS Bluescope suffered in terms of inventories.

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It is also to be noted that NS Bluescope purchased the product of approximately *** MT from ***** for use at the painting CPL line (not within the scope of investigation) which is outside the scope of the investigation. Further, this minimal import was never sold in the Malaysian market in the same form as imported and never entered into the Malaysian market for commercial purposes. Therefore, it has no effect or impact on this investigation. This purchase was purely used for further production by NS Bluescope as paint feed for its CPL line – which is outside the scope of this investigation. The purchase was extremely minimal and negligible. In any event, the purchase was in year 2017 and it falls outside of the POI.

Additionally, the volume of this import is so low to distort the import statistics and the purchase was in year 2017 and it falls outside of the POI.

In other words, this minimal import has no material effect on the request for AD investigation as this amount only represented less than 1 % of total imports in Year 1 and fell much lower than 1% in Year 2 compared to Year 1. More importantly the imports were used for purpose that is outside the scope of investigation and never entered into commerce, in the same form as imported, in the Malaysian market.

F-3 Employment and Wages

Table F-3.1 below shows the number of people employed in NS Bluescope.

Table F-3.1: Employment

Description	Year 1	Year 2	POI
Total personnel employed	100	103	99

In Indices (Year 1 = 100)

The overall employment increased from *** employees in Year 1 to *** employees in Year 2 but decreased to *** employees during POI to a level lower than Year 1. NS Bluescope suffered in terms of employment.

Table F-3.4 below shows the wages of the total personnel employed in producing the product.

Table F-3.4: Wages- PUI

Description	Year 1	Year 2	POI
	(RM)	(RM)	(RM)
Total labour costs (A+B)	100	94	108

In Indices (Year 1 = 100)

Total wages decreased from RM*** in Year 1 to RM*** in Year 2 and increased to RM***. Despite making losses during POI, the wages had to be paid to the employees with the long-term perspective of maintaining trained staff.

F-4 Productivity

Table F4 below explains the productivity of NS Bluescope.

Table F-4: Productivity - PUI

Description	Year 1	Year 2	POI
	(MT/Hr)	(MT/Hr)	(MT/Hr)
Productivity	100	96	93

In Indices (Year 1 = 100)

The productivity decreased slightly from ***MT/hour in Year 1 to ***MT/hour and decreased further to ***MT/hour.

NS Bluescope.suffered in terms of productivity.

SECTION G
MATERIAL INJURY (SALES)

G-1 Sales Turnover

Table G-1.1 below are the details of total sales turnover of NS Bluescope.

Table G-1: Turnover – All Products/PUI/Others

DESCRIPTION	Year 1	Year 2	POI
	(RM)	(RM)	(RM)
Total turnover (all products)	100	98	96
Turnover of Like product (produced)	100	101	95
Turnover of product (purchased)	-	-	-
Other product	100	96	97

In Indices (Year 1 = 100)

The turnover sales value of NS Bluescope of the PUI increased **%, less than 1%, in Year 2 compared to Year 1, but dropped by **% during POI much higher compared to Year 2. Overall, comparing Year 1 to POI the sales turnover in terms of value dropped by **%.

NS Bluescope suffered sales turnover in terms value, especially during POI.

G-2 Sales Volume and Value

The following Tables G-2.1(a) and G-2.1(b), provide information sales value to unrelated and related parties respectively.

Table G-2.1 (a): Sales of Product to Unrelated Parties.

Description	Year 1		Year 2		POI	
	(RM)		(RM)		(RM)	
	Domestic	Export	Domestic	Export	Domestic	Export
Total turnover (all products)	***	***	***	***	***	***
Turnover of product (produced) - (PUI)	***	***	***	***	***	***
Other products	***	***	***	***	***	***

In Indices (Year 1 = 100)

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Table G-2.1 (b): Sales of Product to Related Parties.

	Year 1		Year 2		POI	
	(RM)		(RM)		(RM)	
Description	Domestic	Export	Domestic	Export	Domestic	Export
Total turnover (all products)	***	***	***	***	***	***
Turnover of product (produced) - (PUI)	***	***	***	***	***	***
Other products	***	***	***	***	***	***

The following tables provide the sales of all products and PUI in terms of volume and value

Table G-2.2 (a): Sales of Product – All Products

Description	Year 1		Year 2		Year 3	
	Qty (MT)	Value (RM)	Qty (MT)	Value (RM)	Qty (MT)	Value (RM)
Domestic Sales of the Petitioner (A)	***	***	***	***	***	***
% change	***	***	***	***	***	***
Export Sales (B)	***	***	***	***	***	***
% change	***	***	***	***	***	***
Total Sales (A+B)	***	***	***	***	***	***
Total Sales (A+B)% Change	***	***	***	***	***	***

Table G-2.2 (a): Sales of Product – PUI

Description	Year 1		Year 2		Year 3	
	Qty (MT)	Value (RM)	Qty (MT)	Value (RM)	Qty (MT)	Value (RM)
Domestic Sales of the Petitioner (A)	***	***	***	***	***	***
% change	***	***	***	***	***	***

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Export Sales (B)	***	***	***	***	***	***
% change	***	***	***	***	***	***
Total Sales (A+B)	***	***	***	***	***	***
Total Sales (A+B)% Change	***	***	***	***	***	***

NS Bluescope’s domestic sales in terms of volume, increased marginally by ***% from Year 1 to Year 2 and increased by ***% from Year 2 to POI. Since this is an investigation on unfair trade practice of dumping, this slight increase in domestic sales volume has to be read together with the sales in terms of value which was earlier established that the sales value decreased during POI. Minimal sales volume increase but at decreased value.

NS Bluescope takes the view that it suffered material injury in terms of sales.

Information of Sales Listing is provided in the Confidential Version.

Table G-2.2: Sales Listing
(Submitted in Confidential Version)

Field name	Field description	Explanation
NO	Sequence number	Identify each transaction, or line item, in the sales listing, by sequence number (i.e. the first transaction is “1”, the second is “2”, and so on)
CODE	Company internal coding system	Indicate the code used for the product in your records
INV-NO	Invoice number	Indicate the invoice number
INV-DT	Invoice date	Indicate the invoice date of the transaction
CUST	Customer name	Indicate the customer name used in your records
REL	Relation	Relation between petitioner and customers (Related or Unrelated)
LEV	Customer level of trade	Use code “1” for end-users, “2” for retailers, “3” for distributors, “4” for others (<i>specify the level</i>)
GRD	Grade of PUI	Please specify the various grades of the PUI
QTY	Quantity of sales	Provide quantity (specify the unit of measurement) of product sold
GR-VAL	Gross invoice value	Provide the gross invoice value, net of taxes, of product sold
DISC	Discounts	Indicate the discounts deducted on the invoice
NT-VAL	Net invoice value	Provide the net invoice value after the discounts
PAY-TM	Payment terms	Indicate the payment terms agreed with the

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Field name	Field description	Explanation
		customer (e.g. 30, 60, 90 days, etc.)
DEL-TM	Delivery terms	Indicate the agreed terms of delivery (e.g. FOB, C&F, CIF, etc.)
DEL-CS	Delivery costs	Indicate the transport costs either as actual costs or as a function of the invoice value (%) or volume (costs per unit)
COMM	Commissions	Indicate any cash discounts, volume discounts, commissions, etc.

Table G-2.3, showing credit notes relating to sales of product (produced and sold by NS Bluescope) to unrelated customers on Malaysian market during period of investigation on transaction-by-transaction basis. The information is provided in the Confidential Version.

Table G-2.3: Credit Notes
(Submitted in Confidential Version)

Field name	Field description	Explanation
NO	Sequence number	Identify each transaction, or line item, in the sales listing, by sequence number (i.e. the first transaction is "1", the second is "2", and so on)
CODE	Company internal coding system	As in Table G-2.2: Sales Listing
CRD-NO	Credit note number	Indicate the number of the credit note
CRD-DT	Date of credit note	Indicate the date of the credit note issued
INV-NO	Relating invoice number	Ensure that this corresponds where appropriate to the number given in Table G-2.2: Sales Listing
CUST	Customer name	As in Table G-2.2: Sales Listing
QTY	Quantity of sales	Provide quantity (specify the unit of measurement) of product credited
VAL	Value credited	Provide the value of product credited
PURP	Credit Notes	Please explain the purpose of the issuance of credit notes

G-3 Sales Price

The sales price is based on ***.

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G-4 Cost to Make and Sell

Table G-4.1 shows the **actual unit cost to make and sell** for each model/type of the product. Submitted in confidential version.

The table below summarizes the average unit Cost to Make & Sell during POID:

Table G-4-1-1: Average Unit Cost to Make & Sell – POID

	Year 1	Year 2	POI
Unit Cost to make and sell (RM/MT)	100	114	120

In Indices (Year 1 = 100)

The average unit cost to make and sell (CTMS) increased every year from RM^{***}/MT to RM^{***}/MT and RM^{***}/MT. This is despite, especially during POI, where the production remained at the same level from Year 2 to POI and despite steps taken by NS Bluescope to improve efficiency in terms of decreasing the consumables and utilities usage as well as reducing waste generation during the manufacturing process.

NS Bluescope suffered in terms of CTMS.

SECTION H
MATERIAL INJURY (PROFITABILITY, RETURN AND CASH FLOW)

H-1 Profitability

Table H-1.1 for NS Bluescope's sales transactions to related and unrelated parties in Malaysia of PUI.

YEAR 1**Table H-1.Overall Profitability for Year 1**

Description	Year 1		
	Domestic (RM)	Export (RM)	Total (RM)
Sales	***	***	***
Less:	***	***	***
Cost of Sales	***	***	***
Gross Profit	***	***	***
Less:	***	***	***
Selling, General and Administrative Expenses & Depreciation & Other Income	***	***	***
Profit/ (Loss)	***	***	***
Non-Operating Items	***	***	***
Net Profit before tax	***	***	***

Profitability to Unrelated Parties in Year 1

Description	Year 1		
	Domestic (RM)	Export (RM)	Total (RM)
Sales	***	***	***
Less:	***	***	***
Cost of Sales	***	***	***
Gross Profit	***	***	***
Less:	***	***	***
Selling, General and Administrative Expenses & Depreciation & Other Income	***	***	***
Profit/ (Loss)	***	***	***
Non-Operating Items	***	***	***
Net Profit before tax	***	***	***

Profitability to Related Parties in Year 1

Description	Year 1		
	Domestic (RM)	Export (RM)	Total (RM)
Sales	***	***	***
Less:	***	***	***
Cost of Sales	***	***	***
Gross Profit	***	***	***
Less:	***	***	***
Selling, General and Administrative Expenses & Depreciation & Other Income	***	***	***
Profit/ (Loss)	***	***	***
Non-Operating Items	***	***	***
Net Profit before tax	***	***	***

YEAR 2

Overall Profitability for Year 2

Description	Year 2		
	Domestic (RM)	Export (RM)	Total (RM)
Sales	***	***	***
Less:	***	***	***
Cost of Sales	***	***	***
Gross Profit	***	***	***
Less:	***	***	***
Selling, General and Administrative Expenses & Depreciation & Other Income	***	***	***
Profit/ (Loss)	***	***	***
Non-Operating Items	***	***	***
Net Profit before tax	***	***	***

Profitability to Unrelated Parties

Description	Year 2		
	Domestic (RM)	Export (RM)	Total (RM)
Sales	***	***	***
Less:	***	***	***
Cost of Sales	***	***	***
Gross Profit	***	***	***
Less:	***	***	***
Selling, General and Administrative Expenses & Depreciation & Other Income	***	***	***
Profit/ (Loss)	***	***	***
Non-Operating Items	***	***	***
Net Profit before tax	***	***	***

Profitability to Related Parties

Description	Year 2		
	Domestic (RM)	Export (RM)	Total (RM)
Sales	***	***	***
Less:	***	***	***
Cost of Sales	***	***	***
Gross Profit	***	***	***
Less:	***	***	***
Selling, General and Administrative Expenses & Depreciation & Other Income	***	***	***
Profit/ (Loss)	***	***	***
Non-Operating Items	***	***	***
Net Profit before tax	***	***	***

POI

Overall Profitability During POI

Description	POI		
	Domestic (RM)	Export (RM)	Total (RM)
Sales	***	***	***
Less:	***	***	***
Cost of Sales	***	***	***
Gross Profit	***	***	***
Less:	***	***	***
Selling, General and Administrative Expenses & Depreciation & Other Income	***	***	***
Profit/ (Loss)	***	***	***
Non-Operating Items	***	***	***
Net Profit before tax	***	***	***

Profitability to Unrelated Parties During POI

Description	POI		
	Domestic (RM)	Export (RM)	Total (RM)
Sales	***	***	***
Less:	***	***	***
Cost of Sales	***	***	***
Gross Profit	***	***	***
Less:	***	***	***
Selling, General and Administrative Expenses & Depreciation & Other Income	***	***	***
Profit/ (Loss)	***	***	***
Non-Operating Items	***	***	***
Net Profit before tax	***	***	***

Profitability to Related Parties During POI

Description	POI		
	Domestic (RM)	Export (RM)	Total (RM)
Sales	***	***	***
Less:	***	***	***
Cost of Sales	***	***	***
Gross Profit	***	***	***
Less:	***	***	***
Selling, General and Administrative Expenses & Depreciation & Other Income	***	***	***
Profit/ (Loss)	***	***	***
Non-Operating Items	***	***	***
Net Profit before tax	***	***	***

SUMMARY OF OVERALL PROFITABILITY FOR ALL 3 YEARS OF PUI

Year	Net Profit / Loss
Year 1	100
Year 2	33
POI	-17

In Indices (Year 1 = 100)

NS Bluescope's overall profits of PUI dropped from RM*** in Year 1 to RM***in Year 2 and dropped sharply during POI to a LOSS of RM***.

The bottom line of any company is profitability which will tell the health of the company. NS Bluescope is claiming that the cause of the loss is due the presence of and dumped imports from the alleged countries.

NS Bluescope suffered serious injury in terms of profitability and NS Bluescope attributes this declining profitability to the presence of the dumped imports from the alleged countries.

NS Bluescope suffered in terms of profitability.

H-2 Return on Total Assets

Table H-2.1 for the return on total assets employed in the production of product of NS Bluescope.

Table H-2.1: Return on Total Assets

Description	Year 1	Year 2	POI
A. Net income* (RM)	***	***	***
B. Total assets* (RM)	***	***	***
C. Return on total assets (A/B) x 100	***	***	***

Table H-2.2: Return on Total Assets - PUI

Description	Year 1	Year 2	POI
A. Net income* (RM)	***	***	***
B. Total assets* (RM)	***	***	***
C. Return on total assets (A/B) x 100 (%)	100	34	-15

In Indices (Year 1 = 100)

* Net income = Net profit after interest before tax

The return on assets of PUI dropped to ***% in Year 2 from ***% compared to Year 1 and dropped further to negative ***% during POI.

NS Bluescope suffered in terms of return on assets.

H-3 Investments

Table H-3.1 showing investments made by NS Bluescope.

Table H.3.1: Investments

Description	Year 1 (RM)	Year 2 (RM)	POI (RM)
Total Company Investments	***	***	***
Total investments for the product (If any) of which:			
Capital :			
- Land	-	-	-

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- Buildings	***	***	***
- Other Buildings	***	***	***
- Machinery & Equipment*	***	***	***
- Computer Equipment	***	***	***
- Motor Vehicle	-	-	-
- Office Furniture	***	***	***
- Construction in progress (WIP)	***	***	***
- Intangible & Software	***	-	***
Non Capital :			
- R&D	-	-	-
- Other (specify)	-	-	***

With the presence of dumped imports from the alleged countries, it has severely affected the profitability of NS Bluescope. Therefore, any future investments moving forward will have to be put on hold as with negative profitability, securing financial facility support will become difficult. Future investments can only be undertaken if remedial action is taken to contain dumped imports from the alleged countries.

H-4 Return on Investment

Table H-4.1 for the return on investment for the product by NS Bluescope.

Table H-4: Return on Investment - PUI

Description	Year 1	Year 2	POI
A. Cost of investment	***	***	***
B. Gain from investment	***	***	***
C. Return on investment [(B/A) x100] (%)	100	33	-12

NS Bluescope's return on investment dropped from ***% in Year 1 to ***% and during POI recorded negative ROI or -***%.

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NS Bluescope clearly suffered in terms of return on investments.

H-5 Cash Flow

Table H-5 provides for the overall cash flows for NS Bluescope's activities.

Table H-5: Overall Cash Flow

CASH FLOW STATEMENT	Year 1 (RM)	Year 2 (RM)	POI (RM)
Operating Income at company level (Total Profitability for ALL products)	***	***	***
Adjustment to reconcile net income to net cash provided by operating activities:	***	***	***
Depreciation and amortization	***	***	***
Changes in other accounts affecting operations:	***	***	***
(Increase)/ decrease in accounts receivable	***	***	***
(Increase)/ decrease in inventories	***	***	***
(Increase)/ decrease in prepaid expenses	***	***	***
Increase/ (decrease) in account payable	***	***	***
Increase/ (decrease) in taxes payable	***	***	***
Others (specify) - Dividend, capital expenditure, Interest	***	***	***
Net cash provided by operating activities	- 100	11	1

NS Bluescope was faced with negative cash flow of RM *** in Year 1 improved to positive RM ***but dropped sharply by ***% to RM ***.

NS Bluescope suffered material injury in terms of cash flow during POI.

H-6 Minimum Profit Required

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Based on normal business and market conditions, the minimum profit required is ***.

H-7 Ability to Raise Capital

It is not difficult to anticipate that the ability to raise of NS Bluescope will be affected in the near future having recorded losses during POI due to the presence of dumping by the foreign producers/exports from the alleged countries; unless the negative effects of dumping is curbed through an AD measure.

**SECTION I
CAUSAL LINK**

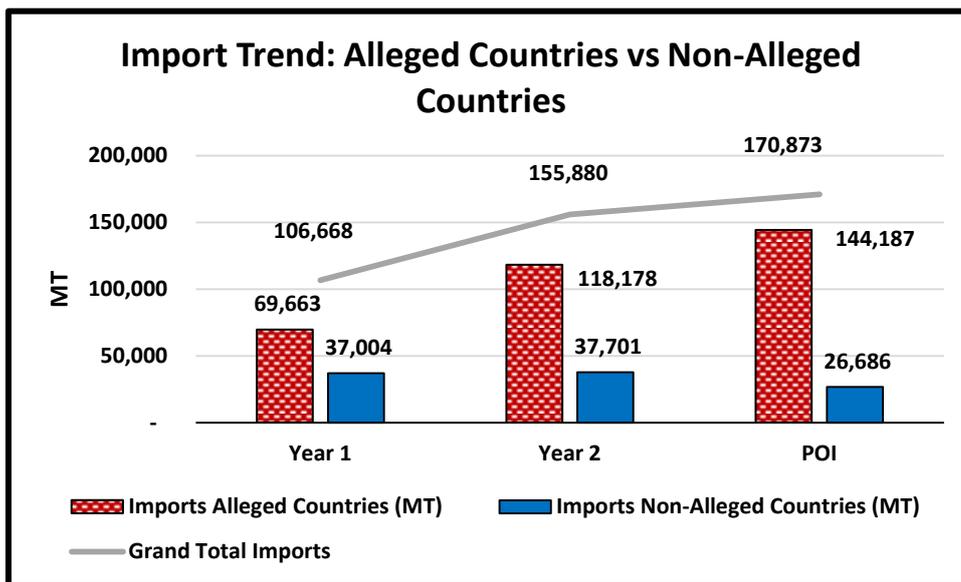
In this Section, NS Bluescope lists out first the volume effect factors, followed by price effects and finally why other factors, non-attributive factors, that are not a cause to the material injury suffered by NS Bluescope. It will show why NS Bluescope’s material injury suffered cannot be due to these other factors but due to the dumped imports from producers/exporters from the alleged countries; thus establishing the causal link between the material injury suffered by NS Bluescope and the dumping from the producers/expor ters from the alleged countries.

IMPACT OF DUMPED IMPORTS FROM THE ALLEGED COUNTRIES ON VOLUME FACTORS AFFECTING MATERIAL INJURY TO NS BLUESCOPE

Import Volume Trend of Alleged Countries and Cummulation

The following charts establishes the import trend from the alleged countries increased whereas the imports from the non-alleged countries decreased.

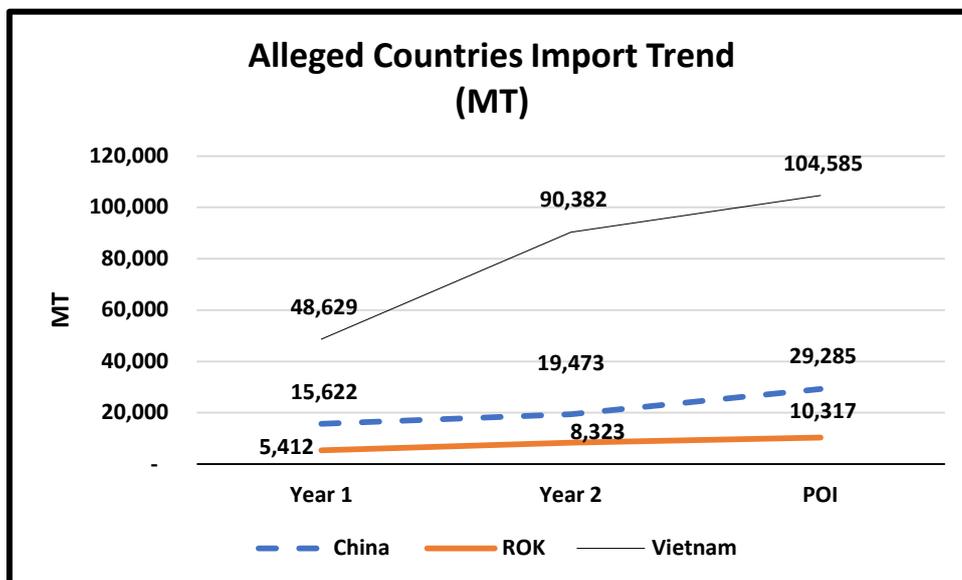
Chart: Import Trend: Alleged vs Non-Alleged Countries



The total imports increased every year and the imports from the alleged countries also increased every year during POID but the imports from the non-alleged countries decreased throughout the POID. If any material injury caused by imports should therefore be attributed to the imports from the alleged countries.

The following chart shows import trend of individual alleged countries.

Chart: Import Trend: Individual Alleged Countries



Individual Import volumes from all the three alleged countries increased every year. With reference to Article 3.3 of the WTO ADA, provides for the cumulative assessment of the effects of import volumes from the alleged countries. It is to be also noted that the import volume from each of the alleged countries are all individually above negligible volume of 3% of total imports and that the *prima facie* evidence of dumping margin is above 2%.

Import Volume of Non-alleged Countries is Not a Cause of the Material Injury Suffered by NS Bluescope

Import Volume from Non-Alleged Countries

The import volume from non-alleged countries held steady from Year 1 to Year 2 from 37,004 MT in Year 1 to 37,701 MT in Year 2 but decreased to 26,686 MT, a decrease by 29.2% during POI compared to Year 2. Comparing the import volume from non-alleged countries between Year 1 and POI, the import volume in POI decreased by 27.9%.

The decreasing volume of imports from the non-alleged countries could not be a cause to material injury suffered by NS Bluescope.

Impact of Alleged Imports on Market Share

Estimation of Apparent Consumption

The table below provides the estimation of apparent consumption.

Table: Estimation of Apparent Consumption

Description	YEAR 1 (MT)	YEAR 2 (MT)	POI (MT)	% Change Year 1 vs POI
A. Total Imports	106,668	155,880	170,873	
% Change		46.1%	9.6%	60.2%
B. NS Bluescope's Domestic Sales	100	101	110	
% Change		***%	***%	***%
C. Apparent Consumption (A+B)	100	130	142	
% Change		***%	***%	***%
Total Alleged Import Volume	69,663	118,178	144,187	
% Change		69.6%	22.0%	107.0%
Total Non-Alleged Import Volume	37,004	37,701	26,686	
% Change		1.9%	-29.2%	-27.9.0%

The rate of increase of apparent consumption from Year 1 to Year 2 was ***%, whereas the rate of import volume increase of alleged countries was much higher at 69.9%; the domestic sales NS Bluescope recorded only ***% increase for the same period. From Year 2 to POI, the apparent consumption increased by ***% whereas the imports from alleged countries increased again by a much higher rate of 22.0%, while NS Bluescope only saw an increase by ***% - again much lower than apparent consumption increase rate. Through such higher rate of increase of the imports from the alleged countries by way of dumping, can be safely said to contribute towards the material injury suffered in terms of market share (volume effects) by NS Bluescope.

Market share of imports from alleged countries compared with NS Bluescope's market is provided in the following table:

TABLE: Market Share of Imports from Alleged Countries vs NS Bluescope

	Year 1	Year 2	POI
Import Volume of Alleged Countries (MT)	69,663	118,178	144,187
% of market share of Alleged Countries (Indices)	100	131	146
NS Bluescope's Domestic Sales (MT) - indices	100	101	110
% of market share NS Bluescope (indices)	100	78	77

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* Source: Import volume from DOS Statistics (Apparent Consumption = Domestic Sales + Total Imports)

The market share of imports from the alleged countries increased from ***% in Year 1 to ***% in Year 2, taking over the major market share, and continued to increase during POI to even a higher percentage of ***% through dumping. The loss of market share of NS Bluescope can safely therefore be attributed to the dumping activities of the alleged imports from the alleged countries.

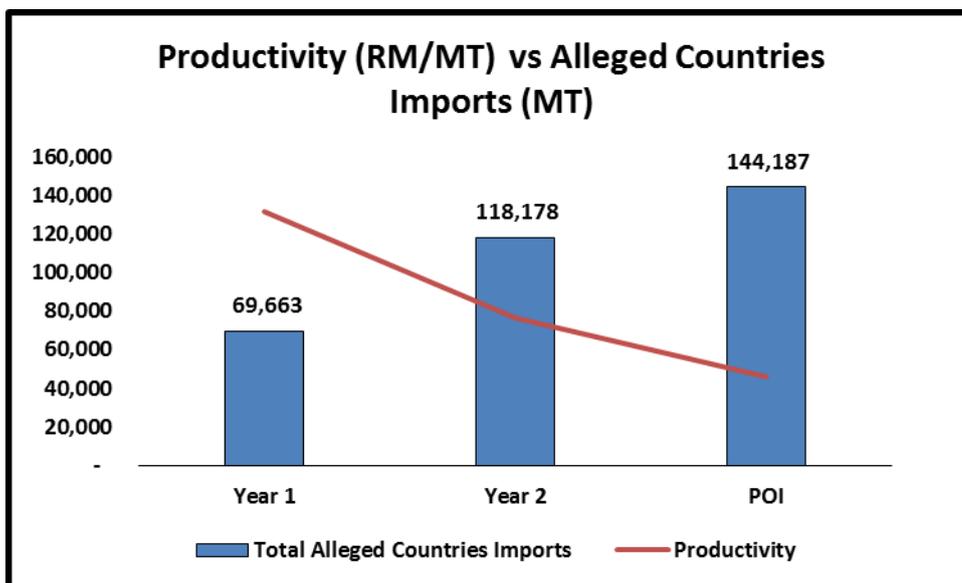
It is clear from the above that the unbreakable causal link be established between dumped imports from the alleged countries and the loss of market share of NS Bluescope.

IMPACT OF IMPORTS OF ALLEGED COUNTRIES ON PRODUCTIVITY OF NS BLUESCOPE

NS Bluescope saw a decrease in productivity with the increasing dumped imports from the alleged countries that have unfairly taken greater market share which in turn has affected production and capacity utilisation, compared to scenario of no dumping, leading to impacting the productivity of NS Bluescope despite efforts taken to improve productivity, where during the POID the output decreased from *** MT/hr in Year 1 to ***MT/hr in Year 2 to ***MT/hr during POI.

Chart below shows that productivity in terms of MT per hour as against import volume trend from alleged countries.

Chart I-1: Productivity – Machine Output during POID



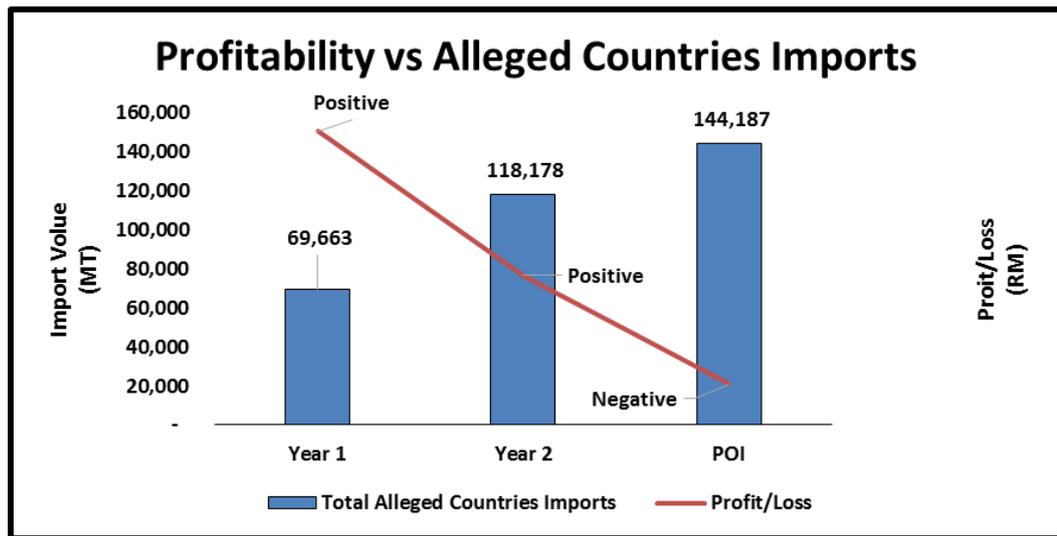
As the imports from the alleged countries increased, the productivity of NS Bluescope decreased showing the causal link between drop in productivity against the increasing imports from the alleged countries throughout POID.

IMPACT OF IMPORTS FROM THE ALLEGED COUNTRIES ON THE FINANCIAL HEALTH OF NS BLUESCOPE

Import of Alleged Countries and Profitability

The following chart establishes the movement of NS Bluescope’s profitability against the trend of import volume of the dumped imports from the alleged countries:

Chart: NS Bluescope’s Profits/Loss vs Alleged Countries Import Volume

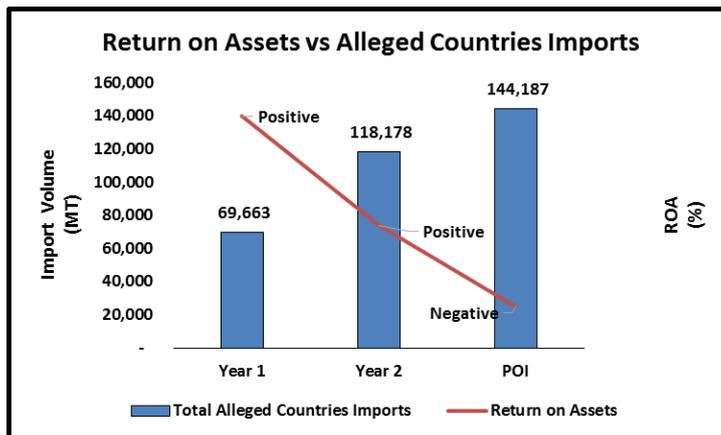


The chart shows how with the increase in dumped imports from the alleged countries, the profitability of NS Bluescope turns from positive to negative, clearly establishing the causal link between increased dumped imports and negative effect on profitability of NS Bluescope.

Import of Alleged Countries and Return on Assets (ROA)

The ROA of NS Bluescope is compared with import trend of alleged countries in the following chart:

Chart: NS Bluescope’s ROA vs Alleged Countries Import Volume

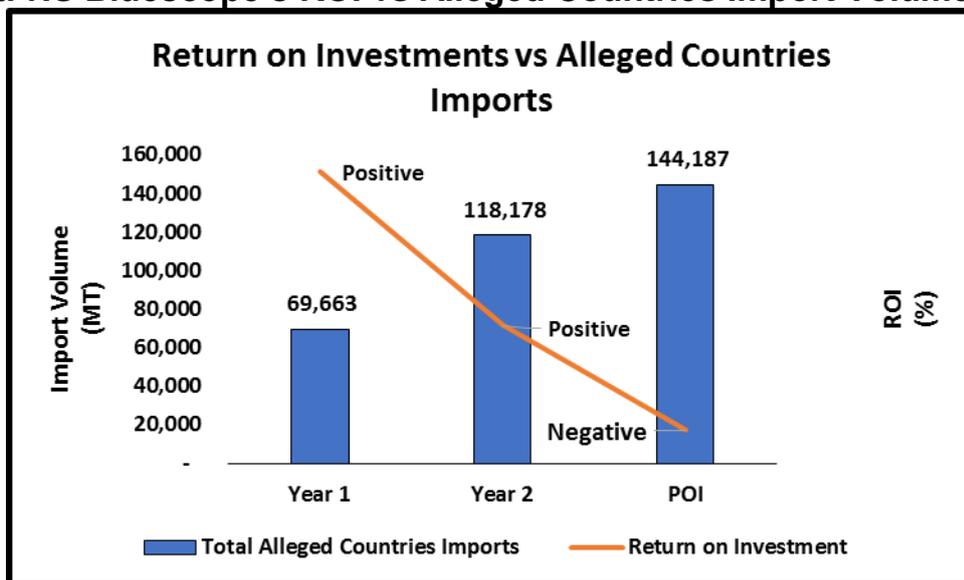


With increasing import volume of the dumped imports, the ROA of NS Bluescope moves in the opposite direction, from positive to negative, thus establishing the causal link between increased imports from the alleged countries with negative effect on NS Bluescope’s ROA.

Import of Alleged Countries and Return on Investment (ROI)

The movement of NS Bluescope’s ROI is captured in the following chart:

Chart: NS Bluescope’s ROI vs Alleged Countries Import Volume

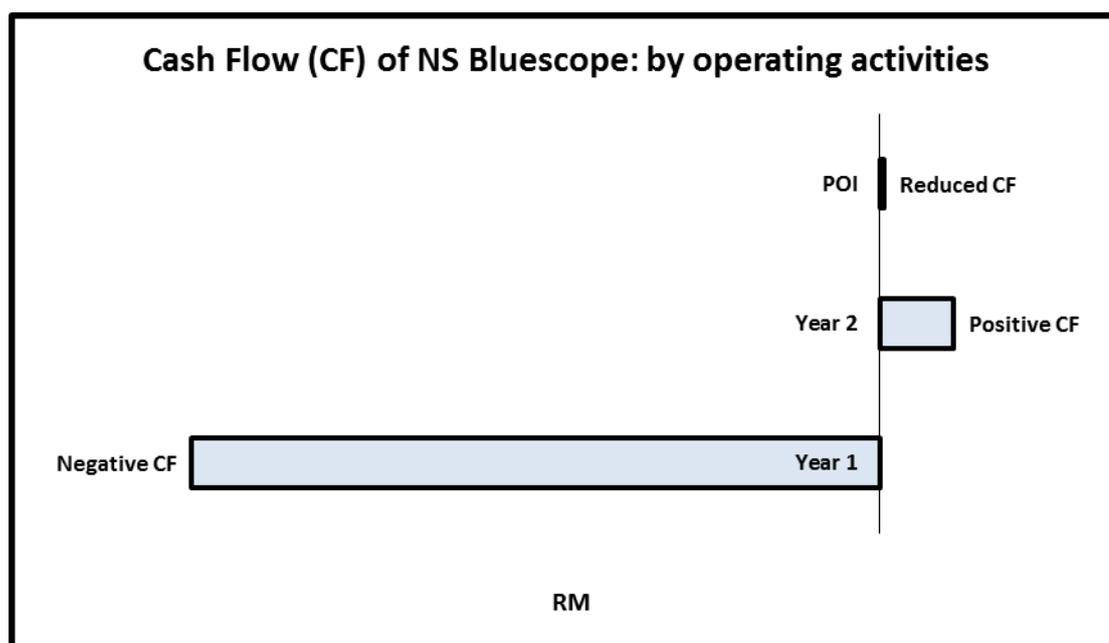


The above chart vividly shows the strong correlation between ROI of NS Bluescope and the imports from the alleged countries – clearly establishing the causal link between the negative effects of the dumped imports from the alleged countries on NS Bluescope’s ROI.

Import of Alleged Countries and Cash Flow

The cash flow improved to positive in Year 2 from negative cash flow in Year 1. However with the continued increase in import volume and during POI, recording higher than import volumes in Year 1 and Year 2, NS Bluescope was not able to cash in with fair selling prices, the net cash flow dropped to very low levels.

Chart: NS Bluescope's Cash Flow vs Alleged Countries Import Volume

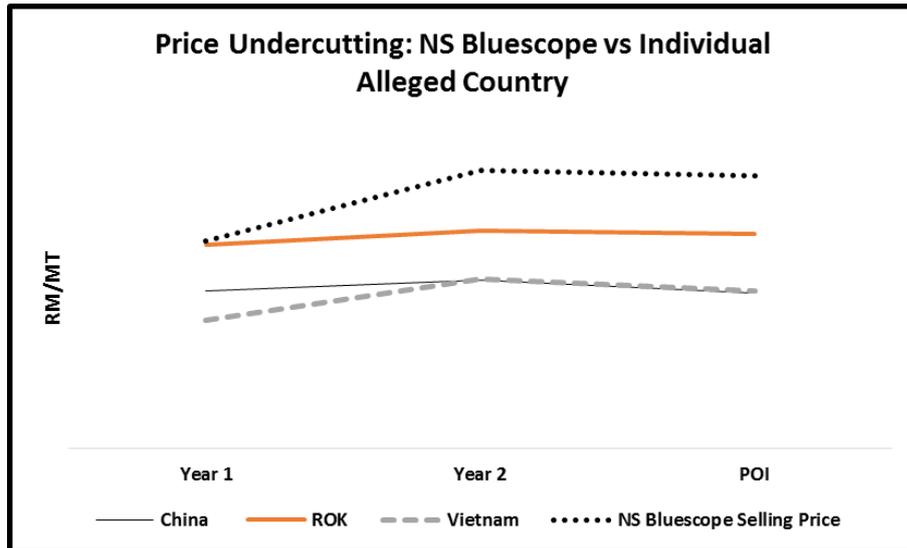


PRICE EFFECTS

Price Undercutting

To examine price undercutting, average unit selling price of NS Bluescope is compared with the unit average price of the alleged countries. The following chart provides the comparison to examine if price undercutting is occurring:

Chart: Comparison of Selling Price of Bluescope with Average Unit Selling Price of Alleged Countries



The above chart clearly shows price undercutting for all the three years by the all the alleged countries. The general trend shows average unit prices of all the imports from the alleged countries and NS Bluescope all increased from Year 1 to Year 2 but all the imports from the alleged countries dropped their prices sharply during POI indicating price undercutting/competition (probably disposing excess production in the Malaysian market) among the imported PUI to capture a bigger market share and the net effect significantly price undercutting NS Bluescope selling price which NS Bluescope had to match to do decent sales which has resulted in net losses during POI for NS Bluescope.

The following table shows significant price undercutting:

Table: Showing Comparison of Price Undercutting (PU) - (RM/MT)

	Year 1	Year 2	POI
China	(PU)	(PU)	(PU)
ROK	(PU)	(PU)	(PU)
Vietnam	(PU)	(PU)	(PU)

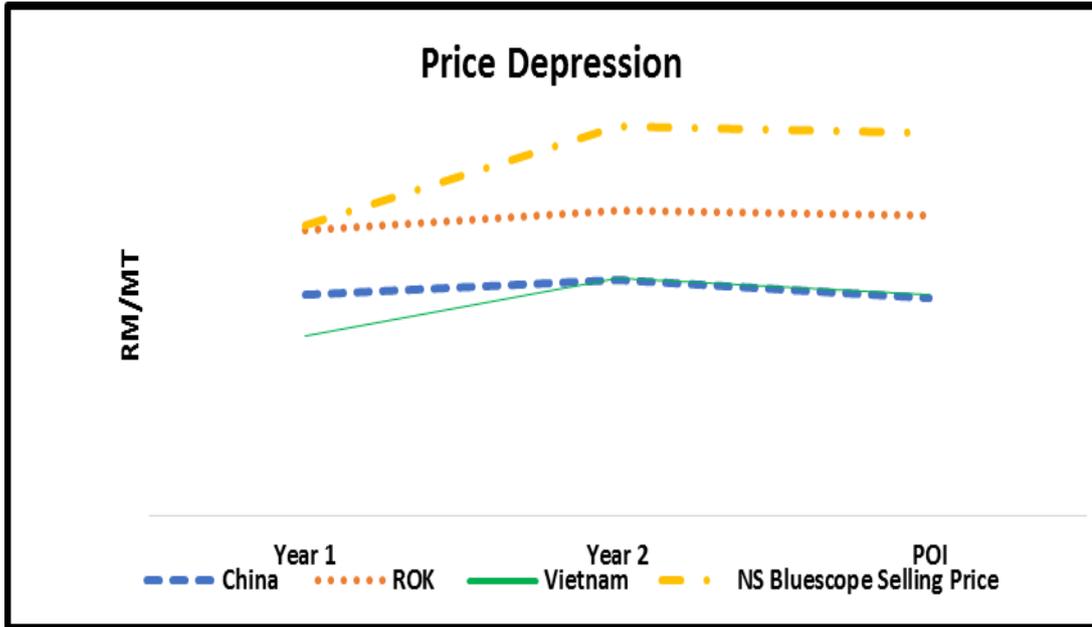
The above table demonstrates clear significant price undercutting by all the alleged countries during all the three years. With the downward pressure due to imported prices, profitability of NS Bluescope turned negative during POI.

During POI comparison in terms of percentage difference, the analysis shows very high and significant price undercutting from ***% to ***% by the imports from the alleged countries.

Price Depression

The chart below shows how the selling price of NS Bluescope has been depressed due to lowering of prices of imports from the alleged countries as the selling price of both NS Bluescope and import prices from the alleged countries see an overall drop in prices during POI.

Chart: Price Depression

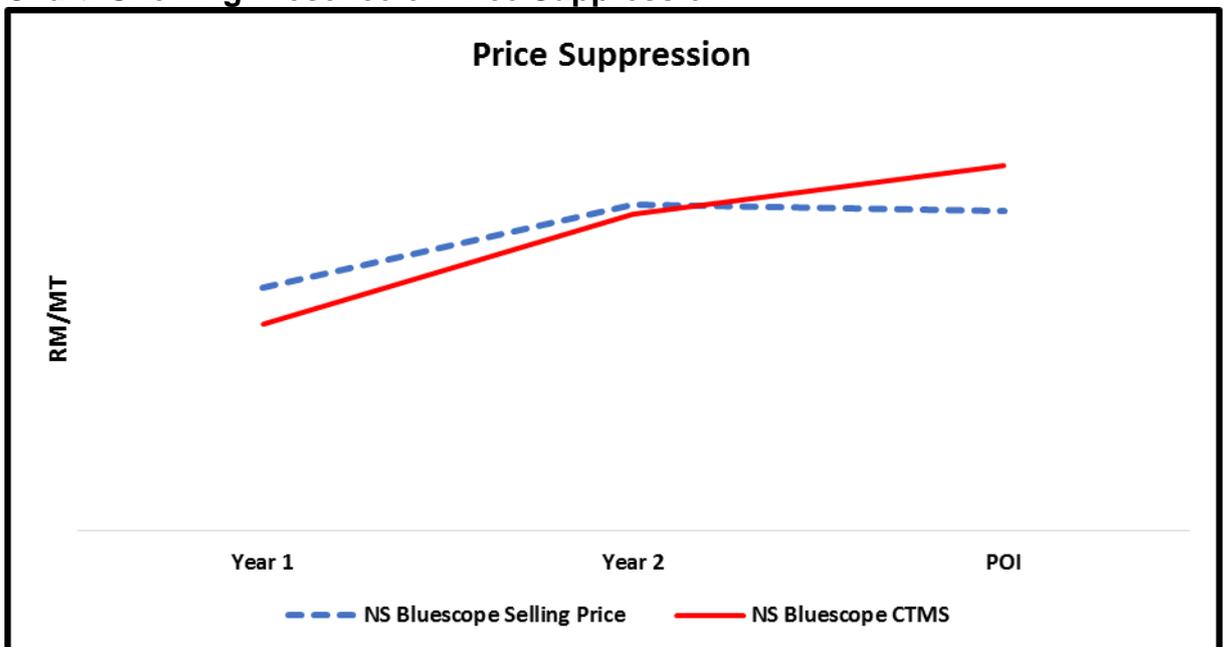


NS Bluescope suffered price depression **during POI** due to the presence of dumped imports from the alleged countries and the causal link established.

Price Suppression

The comparison of NS Bluescope’s CTMS as against selling price shows that during POI, where *prima facie* evidence of dumping has been established, NS Bluescope had to sell below CTMS i.e. suppressed from selling at higher than CTMS which has led NS Bluescope during POI to face losses, despite efforts taken to cut operation costs, due to the presence of dumped imports that significantly price undercut during POI. The following chart clearly demonstrates price suppression during POI.

Chart: Showing Presence of Price Suppression



The causal link between price suppression and the presence of dumped imports has been demonstrated and established.

EXAMINATION OF OTHER FACTORS NOT A CAUSE TO THE MATERIAL INJURY TO NS BLUESCOPE

Technology is Not a Cause of the Material Injury Suffered by BLUESCOPE

Technology used by NS Bluescope is state of the art in the steel manufacturing industry, where NS Bluescope's equipment design pools from the rest of the BlueScope Steel group's experience in making steel across 17 countries, with over 100 manufacturing facilities worldwide for 129 years.

With BlueScope Steel group at the forefront of technical innovation, NS Bluescope too has benefitted from the most cutting edge technology. One example is the development of the ZINCALUME® steel, a revolutionary zinc/aluminium alloy coating that greatly extended product life and led to the development of even more reliable steel products for the construction and manufacturing industries. ZINCALUME® steel was developed in association with Bethlehem Steel in America and refined by Australian technologists at the Port Kembla research laboratories. The technology is licensed internationally by BIEC International Inc., a BlueScope Steel subsidiary.

Thus, technology cannot be a cause of the material injury suffered by NS Bluescope.

Quality is Not a Cause of the Material Injury Suffered by NS Bluescope

The level of quality in NS Bluescope's steel is comparable to the rest of the BlueScope group. NS Bluescope's steel has been used for homes, shopping malls, offices, factories and practically all iconic buildings, including Kuala Lumpur's Twin Towers.

Needless to say, NS Bluescope produces in accordance to the Malaysian Standards as mandated by Standards Malaysia.

Based on the foregoing, quality is not a cause of the material injury suffered by NS Bluescope.

Dissatisfaction of NS Bluescope's Customers is Not a Cause of the Material Injury Suffered by NS Bluescope

NS Bluescope's clients have consistently expressed very high level of satisfaction on NS Bluescope's delivery. This is evidenced by customer satisfaction survey overall performance as chart below:

(Submitted in Confidential Version)

Based on the above, NS Bluescope has examined "Other Factors" that could have been reasons for the material injury suffered by NS Bluescope and

concludes that none of these “Other Factors” examined is a cause of the material injury suffered by NS Bluescope.

SUMMARY OF MATERIAL INJURY SUFFERED BY NS BLUESCOPE

Based on the foregoing, it has been established how the injury factors due to dumping from alleged countries have materially injured NS Bluescope, thus establishing the causal link. Taking stock of these factors:

Profitability

- NS Bluescope’s profitability declined substantively from Year 1 to POI, and incurred losses in POI.

Price Effects

- Presence of price undercutting, price depression, and price suppression.
 - ✓ Price undercutting: The prices of all the dumped imports undercut NS Bluescope during POID.
 - ✓ Price depression: The low prices of the dumped imports drove down the selling price of PUI in the Malaysian market especially during POI.
 - ✓ Price suppression: During POI, NS Bluescope had to on average sell at below CTMS – although the price of raw materials had gone up, despite steps taken to reduce operational costs, NS Bluescope was not able to increase prices in tandem to a level to recover costs.

Return on Assets

- NS Bluescope recorded negative ROA during POI.

Return on Investments

- NS Bluescope recorded negative ROI during POI.

Cash Flow

- NS Bluescope recorded negative cash flow during Year 1, recovered in Year 2 but only to see cash flow again drop to very low levels during POI compared to Year 2.

Market Share

- The market share of the alleged countries individually and cumulatively increased during POID whereas NS Bluescope's market share shrunk throughout POID with the lowest level recorded during POI.

Inventories

- NS Bluescope suffered from increased inventories and remained at almost same high level during POI as in Year 2.

Technology and Quality

NS Bluescope has the latest technology installed and has no issues on quality.

Import Volume from Non-Alleged Countries

There was a marked decrease of import volume from non-alleged countries during POI.

Productivity

NS Bluescope's productivity suffered due to presence of dumped imports.

Internal Competition among Local Producers

Additionally, internal competition is not a cause of the material injury suffered by NS Bluescope because there is only one producer in the market.

As has been shown very clearly, NS Bluescope has not been profitable during POI. If the dumped imports are left unchecked, following the current projection, it is almost certain that the volume of dumped imports will only continue to surge.

Based on the foregoing and the arguments with evidence put forward, the material injury suffered by NS Bluescope is solely due to the dumped imports from the alleged countries and not any other factors.

**SECTION J
PUBLIC INTEREST**

J-1 Malaysian Market

It is a continuous worldwide phenomenon in respect of the dumping of steel products by the alleged countries' exporters to other countries. This is evident by the various trade measures taken by the European Union, Canada and other Asian countries. Producers/exporters from the alleged countries have been found to be dumping in other countries.

In fact, firm action must be taken against these producers/exporters from the alleged countries who have now resorted to dumping the PUI in the Malaysian market. As such, we plead that the IA trade remedial action and impose anti-dumping duties to curb such unfair trade practices. This is to counteract the continuous occurrence of dumping of the PUI which has gravely affected the wellbeing of the domestic industry.

Further, the dumping activities could also be increased due to the ongoing trade war between the two economically powerhouses of the world, specifically on steel products. It could lead to the continued diversion and continued influx of steel products to countries like Malaysia which do not have a very high barrier of entry. It is to be noted that although a "Phase One Deal" has been tentatively agreed to by the US and China, there is no change as far as the US 232 action on steel in the achieved deal and the negative effects of the US 232 action and subsequent protective actions by others will still remain and diversion of steel products will continue. Where such diversion takes place with dumping, action has to be put in place to remedy the unfair pricing.

Finally, we submit that steel is one of the most important commodity in Malaysia and also serves as the backbone of this country's economic/industrial development. Adequate trade measures such as this should be implemented without hesitation should the legal requirements be met. In fact, it is notable that most, if not all countries around the globe are always quick to protect their respective steel industries due to the importance and stake involved in a healthy steel manufacturing industry.

J-2 Effect of Continued Imports

NS Bluescope's business will suffer tremendously, owing primarily to extremely unfair price under-cutting, price suppression and price depression and the negative volume effects of the dumped imports from the alleged countries. If this is allowed to continue, NS Bluescope will inevitably be making more severe losses and could be forced to stop its operations and pull their investments from Malaysia. In the absence of a domestic producer, this will lead to destabilization of price and supply in the Malaysian market. Vis-à-vis especially when foreign producers who may have better selling price domestically and may not supply to Malaysia. Further, in the absence of local production, the stabilizing effect of

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prices in the local market will be lost and users will probably be subjected to dictated prices by foreign producers.

Additionally, it will also affect the Malaysian economy - loss in foreign currency exchange; increase in negative trade balance; loss of spillover effects to support service providers such as transport and other services.

To avoid these negative effects of continued inflow of dumped imports from the alleged countries, NS Bluescope is seeking for fair pricing by the imposition of anti-dumping measure to provide a level playing competitive market situation in the Malaysian market.