TSI Engineering Sdn. Bhd.

WAL GUARD®

Surface Protection









WAL GUARD®

Surface Protection



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WAL GUARD®

Surface Protection



ABOUT WAL GUARD®

Walls and building surfaces in high-traffic environments are constantly exposed to impact, abrasion, and daily wear. Without proper protection, these areas deteriorate quickly, leading to costly repairs and ongoing maintenance.

WAL GUARD® is a Malaysian brand established in 1998, specialising in surface protection systems that safeguard vulnerable areas and extend the lifespan of building finishes. Manufactured under stringent quality standards, our products are developed for durability, impact resistance, colour stability, with Anti-Bacterial properties.

Today, WAL GUARD® products are installed in most hospitals built in Malaysia since 1998 and exported to regional markets including Vietnam, India, Thailand, Indonesia, Macau, the Philippines, and Myanmar.

WAL GUARD® stands for dependable protection and lasting performance.

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2.0 HANDRAIL

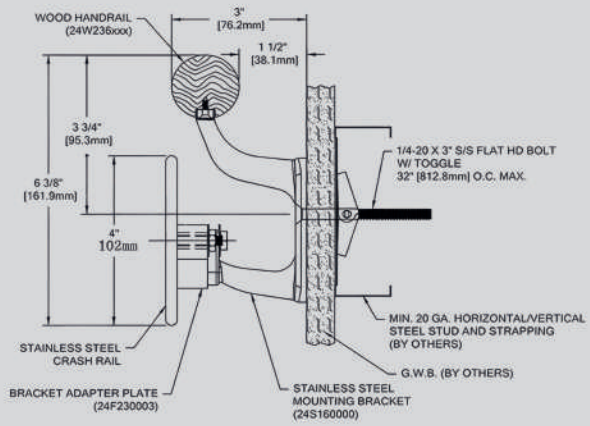


Introduction to WAL GUARD® Handrail

WAL GUARD® Handrails are designed to support users as they move along corridors and navigate stairways. They provide reliable support, enhancing safety and accessibility throughout the building. Built to withstand trolley and equipment impact, they protect the walls themselves, delivering the strength of a crash rail in a single profile.

HRWS175





HRWS175

Solid Wood Grip + Stainless Steel Bumper Cover
Stainless Steel Bumper cover: 102mm
Diameter of Solid wood grip: 38mm
Stainless steel bracket
Distance from wall: 38mm
Solid wood material: Oak, American Mahogany

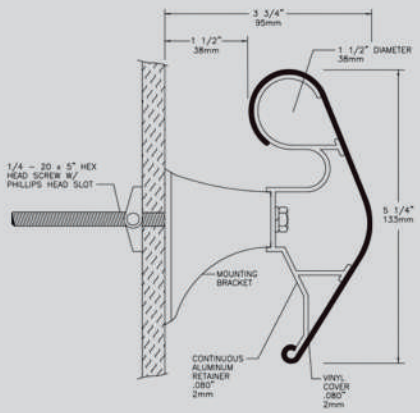
Variants available:



HRWS175 Light

HR133





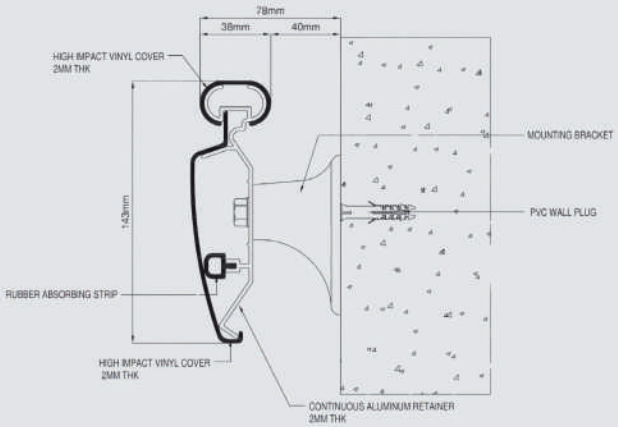
HR133

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 133mm, Length: 4m/pc
Distance from wall: 38mm

WAL GUARD®
Surface Protection

HR143



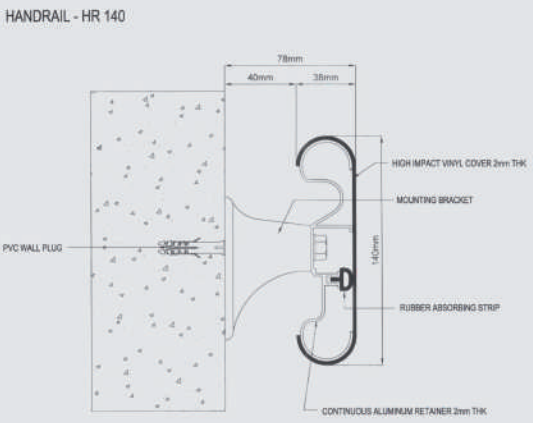


HR143

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 143mm, Length: 4m/pc
Diameter of grip: 38mm
Distance from wall: 40mm

HR140





HR1401

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 140mm Length: 4m/pc
Diameter of grip: 38mm
Distance from wall: 40mm

Variants available:



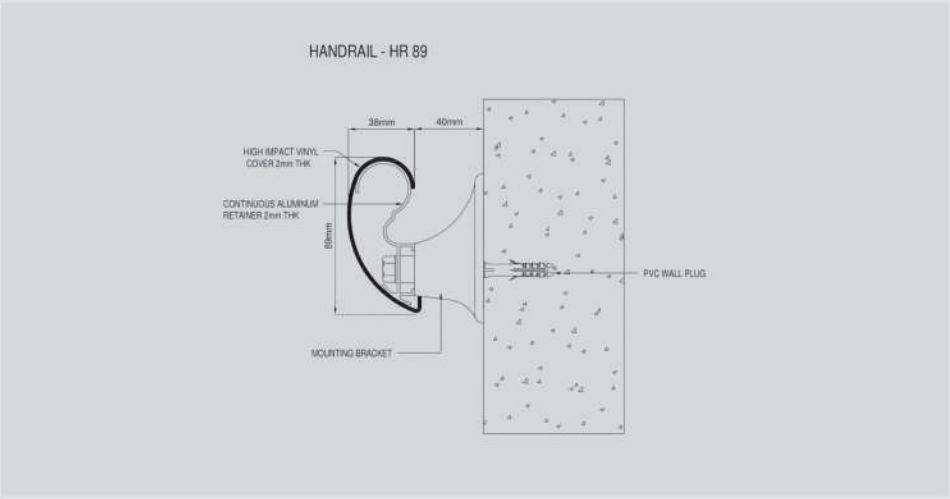
HR1403W



HR1404

HR89



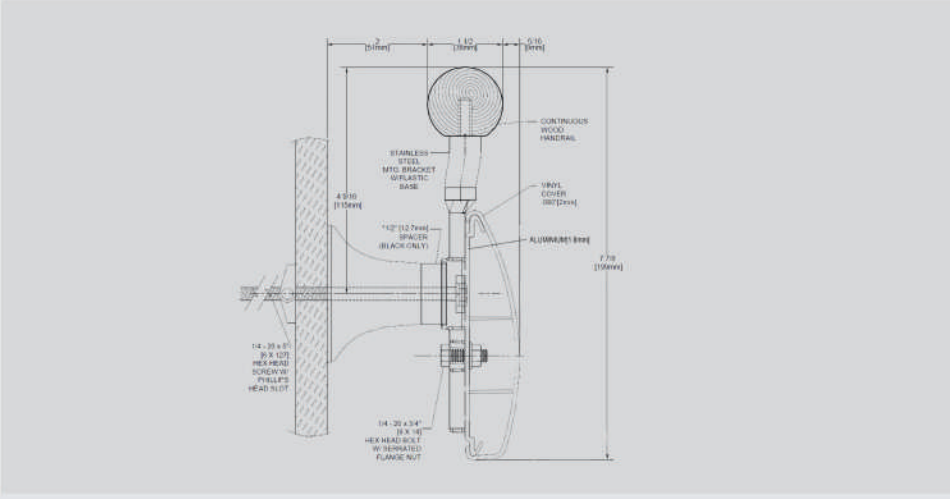


HR89

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 89mm Length: 4m/pc
Diameter of grip: 38mm
Distance from wall: 40mm

HRW200





HRW2001
Grip: Solid Wood / Vinyl Acrylic
Stainless Steel & Aluminium Mounting Bracket
High Impact Vinyl Acrylic
Thickness of vinyl cover: 2mm
Thickness of aluminium: 2mm
Height: 200mm Length: 4m/pc
Diameter of grip: 38mm
Height of vinyl cover: 127mm
Distance from wall: 40mm

Variants available:



HR2002

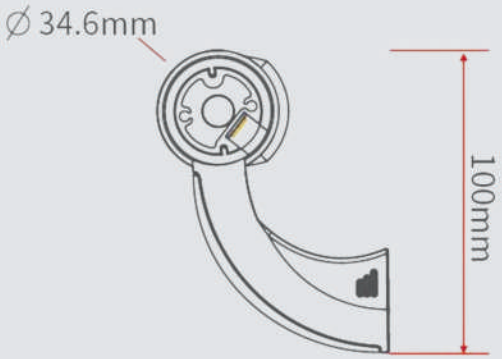


HR2002W

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HR LED LIGHTING



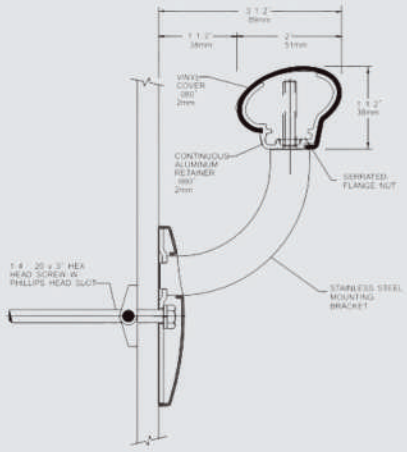


HR WITH LED LIGHTING

High Impact Vinyl Acrylic &Aluminium Retainer
Vinyl ACrylic with LED strip
Thickness of aluminium: 1.8mm
Height: 100mm Length: 4m/pc
Diameter of grip: 35mm
Distance from wall: 35mm

HR511





HR511

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 51mm Length: 4m/pc
Diameter of grip: 51mm

Variants available:



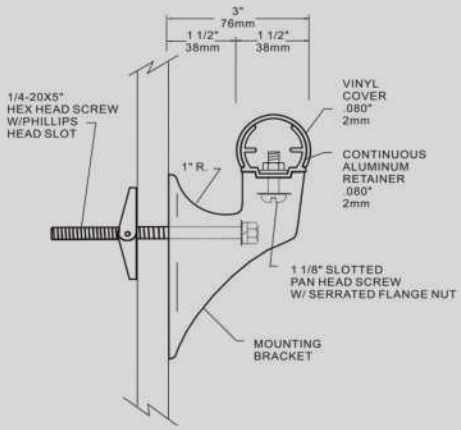
HR512W



HR513W

HR38

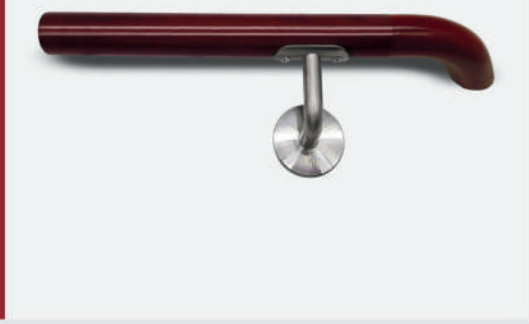


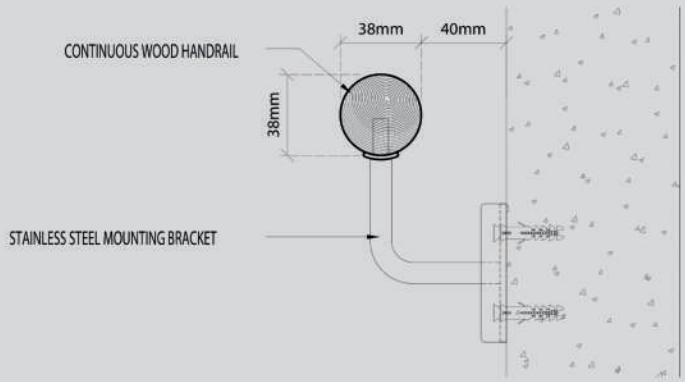


HR38

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 38mm Length: 4m/pc
Diameter of grip: 38mm

HRW38





HRW38

Solid Wood Grip & Stainless Steel Mounting Bracket
Vinyl Acrylic End Cap
Thickness of aluminium retainer: 2mm
Height: 38mm Length: 4m/pc
Diameter of grip: 38mm

WAL GUARD®
Surface Protection

3.0 CRASH RAIL

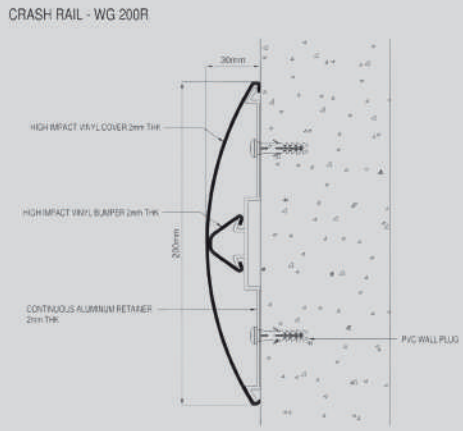


Introduction to WAL GUARD® Crash Rail

WAL GUARD® Crash Rails safeguard walls from trolley and equipment damage. Durable and impact-resistant, they are perfect for corridors, loading bays, and light cargo lifts.

WG200R



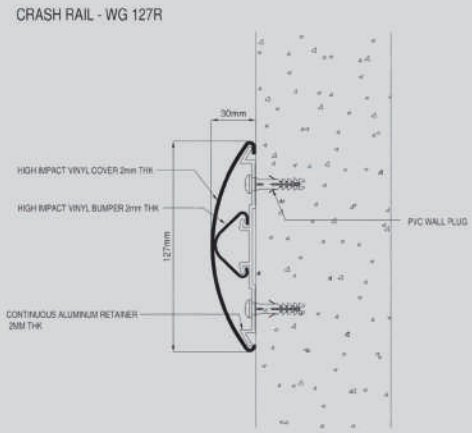


WG200R

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 200mm Length: 4m/pc

WG127R





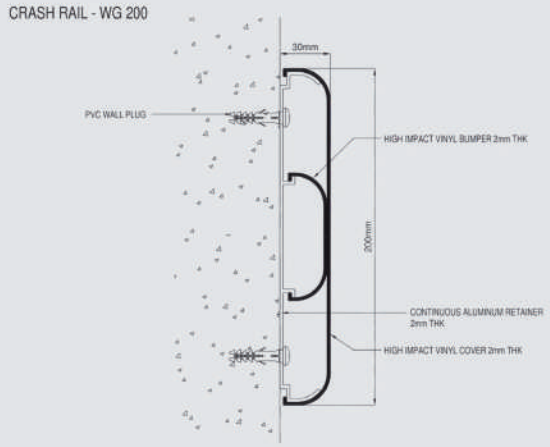
WG127R

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 127mm Length: 4m/pc

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WG200





WG200

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 200mm Length: 4m/pc

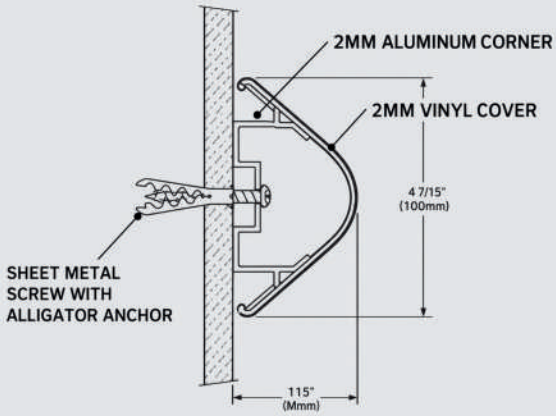
Variants available:



WG200W **WG200**

WG103



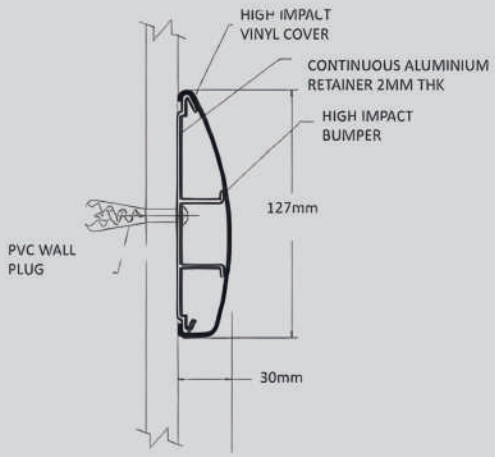


WG103

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 1.5mm
Height: 103mm Length: 4m/pc

WG1271



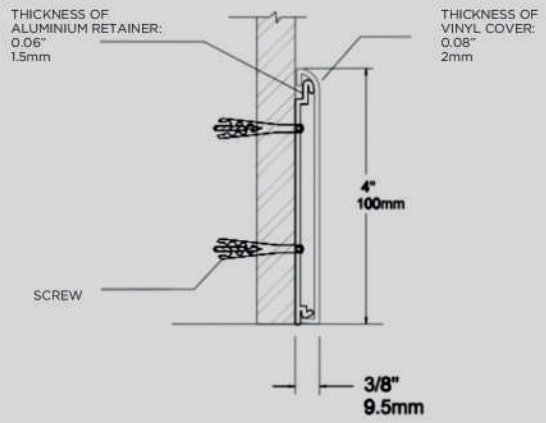


WG1271

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 2mm
Height: 127mm Length: 4m/pc

WB100





WB100

High Impact Vinyl Acrylic & Aluminium Retainer
Thickness of vinyl cover: 2mm
Thickness of aluminium retainer: 1.5mm
Height: 100mm Length: 4m/pc

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4.0 CORNER GUARD

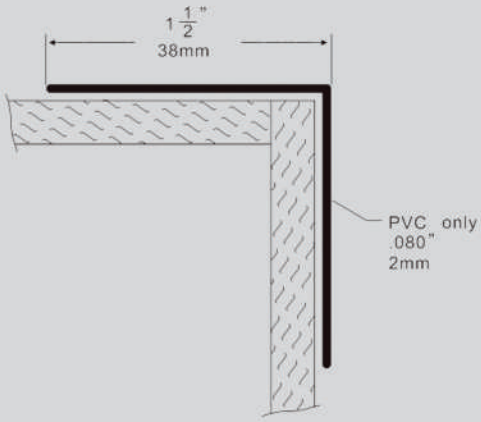


Introduction to WAL GUARD® Corner Guard

WAL GUARD® Corner Guards shield vulnerable walls and columns from scuffs and impacts, reducing wear and need for maintenance. Their durable, impact-absorbing design makes them ideal for busy corridors and public spaces.

CG40/60





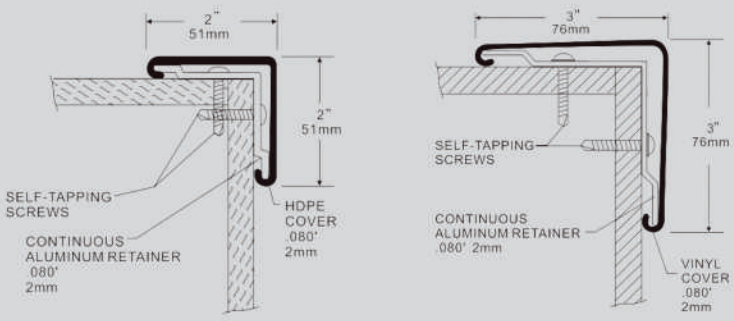
CG40/60

Stick-on Corner Guard
High Impact Vinyl Acrylic Cover
Width: 40mm x 40mm / 60mm x 60mm

90 degrees

CG511/CG76





CG511/CG76

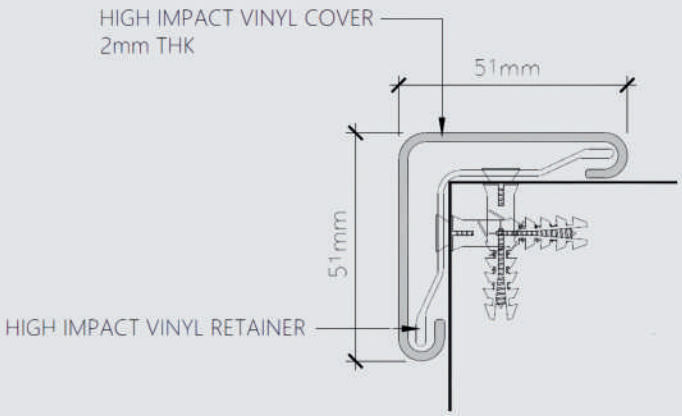
Aluminium Retainer
High Impact Vinyl Acrylic Cover
Width: 51mm x 51mm / 76mm x 76mm

90 degrees

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CG512





CG512

High Impact Vinyl Acrylic Cover & Retainer
Width: 51mm x 51mm

90 degrees

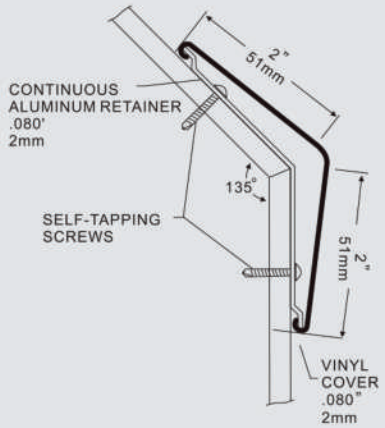
Variants available:



CG512W

CG513





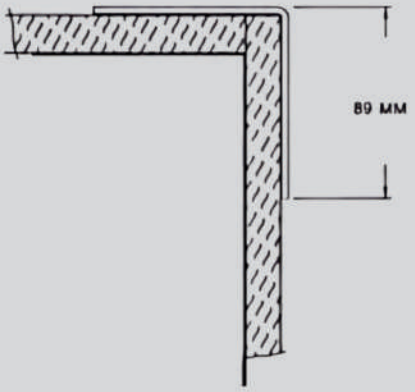
CG513

Aluminium Retainer
High Impact Vinyl Acrylic Cover
Width: 51mm x 51mm

135 degrees

S.S CORNER GUARD





CGS38/CGS50/CGS61/CGS98

304 S.S Corner Guard
Width: 50mm x 50mm (38/61/98mm)

90 degrees
Thickness: 1/1.5/1.8/2mm

Var ant available:



CGS50



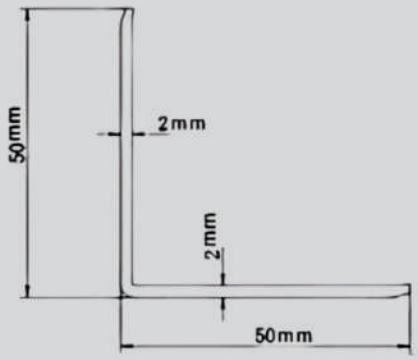
CGS61



CGS98

CGA50





CGA50

Aluminium Corner Guard
Width: 50mm x 50mm

90 degrees
Thickness: 2mm

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5.0 DOOR PROTECTION



Introduction to WAL GUARD® Door Protection

WAL GUARD® Door and Kick Plates protects from scratches, impact, and daily wear.

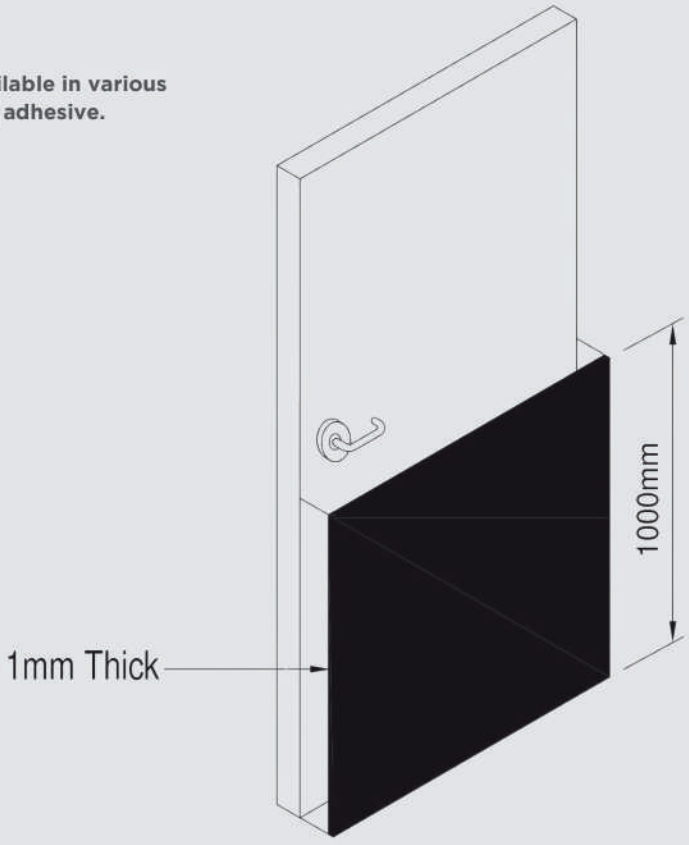
Made from UL-94-0 fire-rated, scratch- and fungus-resistant materials, they are durable and easy to install, and built for long-lasting indoor or outdoor use.

KP1020



KP1020

1mm thick Door Plate in textured finish, available in various colours to be fixed onto doors / walls using adhesive.



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6.0 RIGID WALL SHEET



Introduction to WAL GUARD® Rigid Wall Sheet

WAL GUARD® Rigid Wall Sheet protects walls from daily impact and wear, keeping interiors looking pristine.

Built for superior durability and easy maintenance, they are ideal for healthcare, hospitality, and high-traffic areas.



RIGID VINYL WALL SHEET

Texture finish: Fine (A), Coarse (D), Smooth (G)

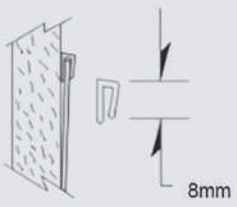
Sizes available:
1220 x 2440mm
1220 x 2800mm
1220 × 3000mm

Thickness: 1.0mm / 1.5mm / 2mm / 2.5mm / 3mm

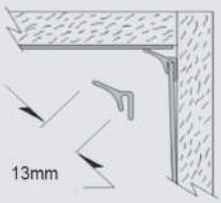




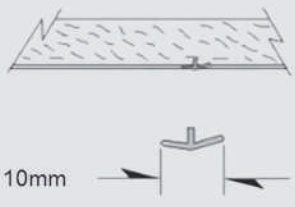




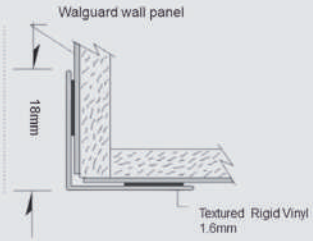
Edge Trim



Internal Corner Trim



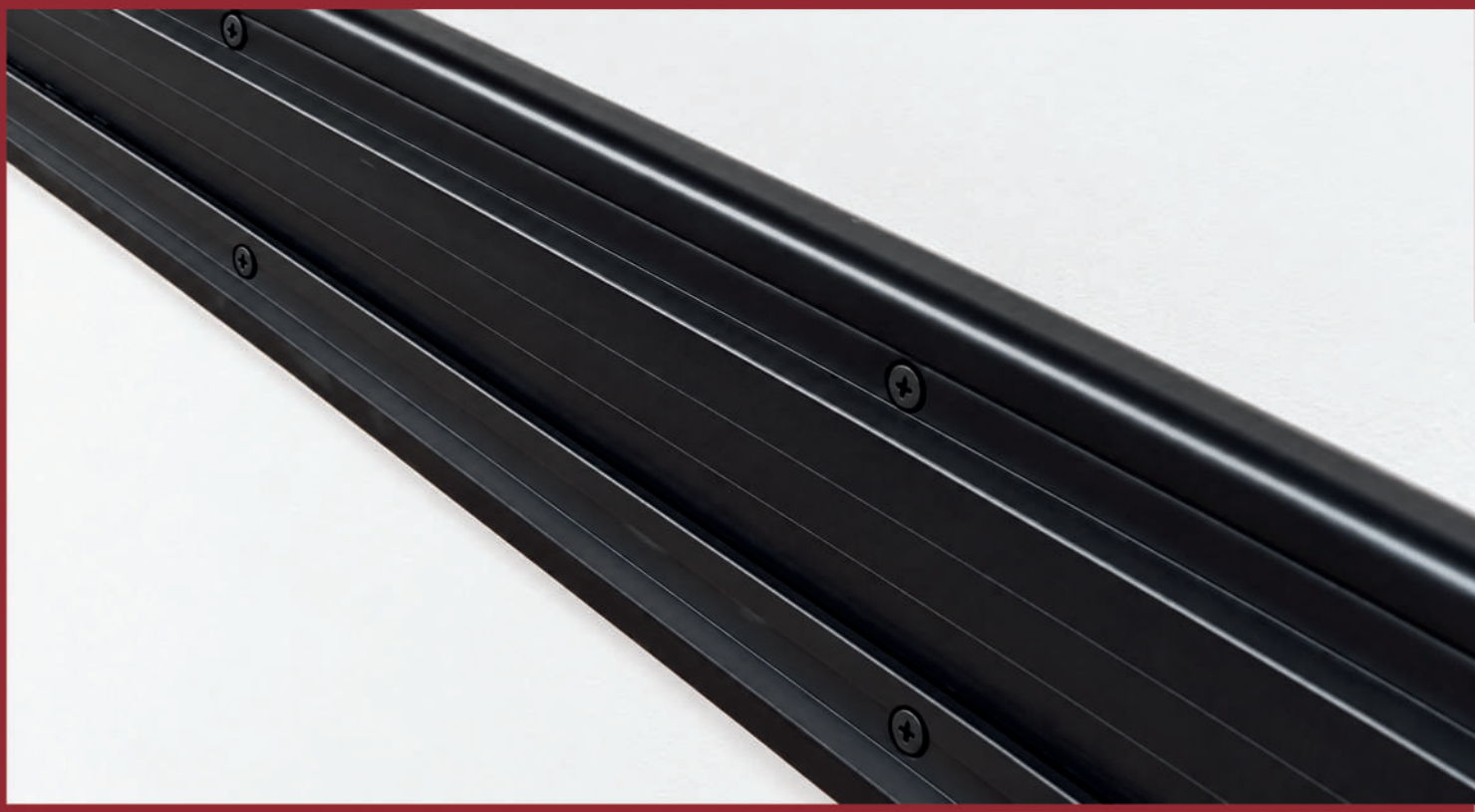
Joint Trim



External Corner Trim

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7.0 INDUSTRIAL BUMPER GUARD



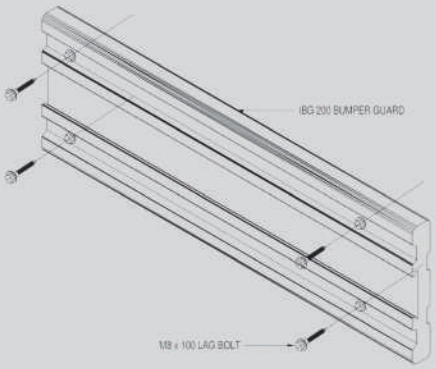
Introduction to WAL GUARD® Industrial Bumper Guard Series

WAL GUARD® Industrial Bumper Guards provide effective protection against direct impact in extreme conditions, ideal for heavy industrial areas such as loading bays and marine docks.

Manufactured from natural rubber reinforced with carbon black, it's resistant to UV aging, seawater, fatigue, and abrasion for long-lasting performance in demanding environments.

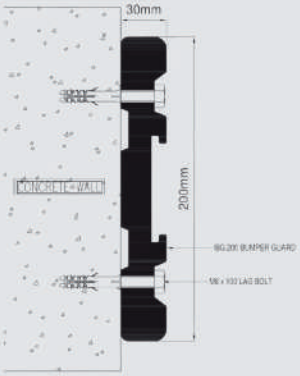
IBG SYSTEM





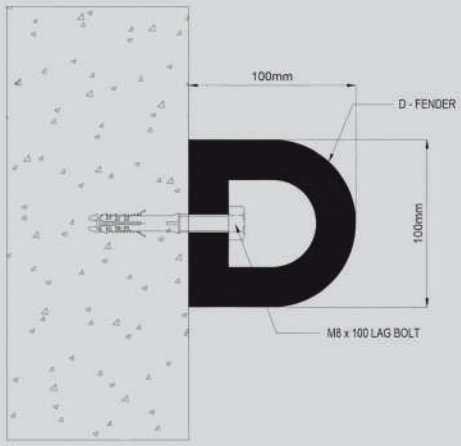
INDUSTRIAL BUMPER GUARD (IBG SYSTEM)

Model no.	Height (mm)	Depth (mm)
IBG150	150	30
IBG200	200	30



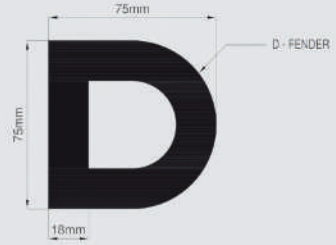
D-FENDER





Material: Rubber
Colour: Black

Height (mm)	Depth (mm)
100	100
75	75



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9.0 OUR PAST PROJECTS

PROJECT NAME	PARTNER
Sunway Medical Centre Kota Damansara	Sunway Construction Sdn Bhd
Sunway Medical Centre Ipoh	Sunway Construction Sdn Bhd
Sunway Medical Centre 4 Phase 2	Sunway Construction Sdn Bhd
Sunway Medical Centre 4 Phase 3	Sunway Construction Sdn Bhd
Hospital Kapar, Selangor	IJM Construction Sdn Bhd
Iskandar Puteri Data Centre 2	IJM Construction Sdn Bhd
National Cancer Institute, Putrajaya	IJM Construction Sdn Bhd
Columbia Asia Cheras	S.T. Interior Design Sdn Bhd
columbia Asia Batu Kawan, Penang	S.T. Interior Design Sdn Bhd
Hospital Seri Botani, Perak	S.T. Interior Design Sdn Bhd
KUL070 Amazon Data Center, Bukit Jalil	Deco Style Sdn Bhd
KUL072 Amazon Data Center, Cyberjaya	Deco Style Sdn Bhd
Sunway Medical Centre Phase 2, Penang	Deco Style Sdn Bhd
Hyatt Centric, Jalan Sultan Ismail	Sunray Construction & Interior Sdn Bhd
Pantai Hospital Penang	Sunray Construction & Interior Sdn Bhd
Hospital Seri Iskandar, Perak	Kayangan Kemas Sdn Bhd
Hospital Sultanah Maliha, Langkawi	Kayangan Kemas Sdn Bhd
Hospital Selgate Sepang	Ifimajaya Sdn Bhd
Aurelius Nilai, Negeri Sembilan	Ifimajaya Sdn Bhd
Glenmarie Hotel & Gold Resort	One Interior & Fit Out Works Sdn Bhd
Pelangi Resort, Langkawi	One Interior & Fit Out Works Sdn Bhd
Hospital Gleneagles Kuala Lumpur	BC Builders Concept Furnishing Sdn Bhd
Hospital Cyberjaya	Gadang Engineering Sdn Bhd
Hospital IMU Bukit Jalil	Mitrajaya Sdn Bhd
Hospital UiTM Puncak Alam	AxVenture Sdn Bhd
Hospital Pantai Ayer Keroh	ST Interior Sdn Bhd
UiTM Kampus Selayang	Hektar Menang Sdn Bhd
UiTM Sg. Buloh	Tunas Selatan Konsortium
Hospital Rehabilitasi Cheras	Konsortium Gadang Perembun
Hospital Pengajar UniSZA, Terengganu	Pesona Metro Sdn Bhd
Hospital Kuala Lumpur	Johawaki Construction Sdn Bhd

9.0 OUR PAST PROJECTS

PROJECT NAME	PARTNER
Hospital Selgate Rawang	Maygold Sdn Bhd
Hospital Lawas	CSN Global Sdn Bhd
Columbia Asia Batu Kawan, Penang	Can I Interior Fit-Out Sdn Bhd
KPJ Pasir Gudang	Ipmuda Buildermart Sdn Bhd
Hospital Pasir Gudang	AIM Concept Sdn Bhd
KL International Hospital (KLIH)	Grand Dynamic Builders Sdn Bhd
Poliklinik Angkatan Tentera Sg. Petani	Armada Baiduri Sdn Bhd
Ipoh Medical Centre	Quil Design Sdn Bhd
Setia Alam Specialist Hospital	Nestcon Builders Sdn Bhd
Hyatt Centric, Jalan Sultan Ismail	Infra Segi Sdn Bhd
IJM Wellness Centre, Subang	China Construction Development (M) Sdn Bhd
Segamat Specialist Hospital	Sena Letrik (M) Sdn Bhd
Avisena Specialist Hospital	Pembinaan Mitrajaya
Elmina Business Park	Inazume (M) Sdn Bhd
Georgetown Specialist Hospital	Builtech Project Management Sdn Bhd
Waldorf Astoria Hotel	BGMC Corporation
Avani Hotel, Sabah	Myborneo Company
Pusat Perubatan Universiti Malaya	MMN Bina Sdn Bhd
Women & Child Penang Hospital	Logikontrol Sdn Bhd
Galaxy Resort Casino Phase 1, Macau	Hong Sang (Macau) Building Limited
Hospital Manjung, Perak	YNH Construction Sdn Bhd
Galaxy Resort Casino Phase 2, Macau	Everwork Construction Limited
Hospital Gleneagles Kota Kinabalu	Frankie L. Marketing
KPJ Kuantan	Pasdec Bina Sdn Bhd
Melaka Straits Hospital	Paramount Engineering & Construction
IIUM Kuantan	Ahmad Zaki Sdn Bhd
Hospital Pantai, Bangsar	Al Ambia Sdn Bhd
Hospital UKM Cheras	Kimlun Sdn Bhd
UPM Serdang	Seagate Resources Sdn Bhd
Hospital Dungun	Nukima Sdn Bhd
UCSI Hospital Port Dickson	UCSI Campio

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ABOUT TSI ENGINEERING

Trusted to Build What Matters

Since 1993, TSI Engineering has been building and shaping spaces that people rely on every day, from corporate offices to the hospitals that safeguard our nation's health.

Over the decades, we have earned the trust of over 70% of Malaysia's hospitals, delivering specialised building products that stand for uncompromising quality, proven reliability, and innovation that endures.

We design, source, and manufacture solutions that are built to last, meticulously tested to meet the highest national and international standards, and tailored to meet the unique needs of each environment we serve.

TSI Engineering is proud to be a trusted partner in building better spaces for today and for generations to come.

OUR BRANDS:

ELEVA MEDITRACK WAL GUARD Surface Protection MyFlex POWERPLAN SYSTEMS (M) SDN BHD

WAL GUARD®
Surface Protect on

OUR RECOGNITION



Perbadanan Harta Intelek Malaysia
Intellectual Property Corporation of Malaysia

TRADE MARKS ACT 1976
TRADE MARKS REGULATIONS 1997

CERTIFICATE OF REGISTRATION
(Regulation 56)

MEDITRACK

Trade mark no : 06007063
To : TSI ENGINEERING SDN. BHD.

I HEREBY CERTIFY THAT under the provisions of the Trade Marks Act 1976 and the Trade Marks Regulations 1997, the above-numbered trade mark has been registered in your name as proprietor of the said trade mark in the Register for a period of ten (10) years from 13/05/2008 to 13/05/2018 in Class 20 in respect of the following goods:

CUBICLE CURTAIN TRACK APPARATUS; ALL INCLUDED IN CLASS 20.

(ABDUL AZIZ B. ISMAIL)
for REGISTRAR OF TRADE MARKS
MALAYSIA

Perbadanan Harta Intelek Malaysia
Intellectual Property Corporation of Malaysia

TRADE MARKS ACT 1976
TRADE MARKS REGULATIONS 1997

CERTIFICATE OF REGISTRATION
(Regulation 56)

ELEVA

Trade mark no : 06006813
To : TSI ENGINEERING SDN. BHD.

I HEREBY CERTIFY THAT under the provisions of the Trade Marks Act 1976 and the Trade Marks Regulations 1997, the above-numbered trade mark has been registered in your name as proprietor of the said trade mark in the Register for a period of ten (10) years from 14/04/2006 to 14/04/2016 in Class 19 in respect of the following goods:

BARS FOR NON-METALLIC MATERIALS FOR RAILINGS, HAND RAILINGS OF NON-METALLIC MATERIALS, RAILINGS (NON-METALLIC); ALL INCLUDED IN CLASS 19.

(ABDUL AZIZ B. ISMAIL)
for REGISTRAR OF TRADE MARKS
MALAYSIA

Perbadanan Harta Intelek Malaysia
Intellectual Property Corporation of Malaysia

TRADE MARKS ACT 1976
TRADE MARKS REGULATIONS 1997

CERTIFICATE OF REGISTRATION
(Regulation 56)

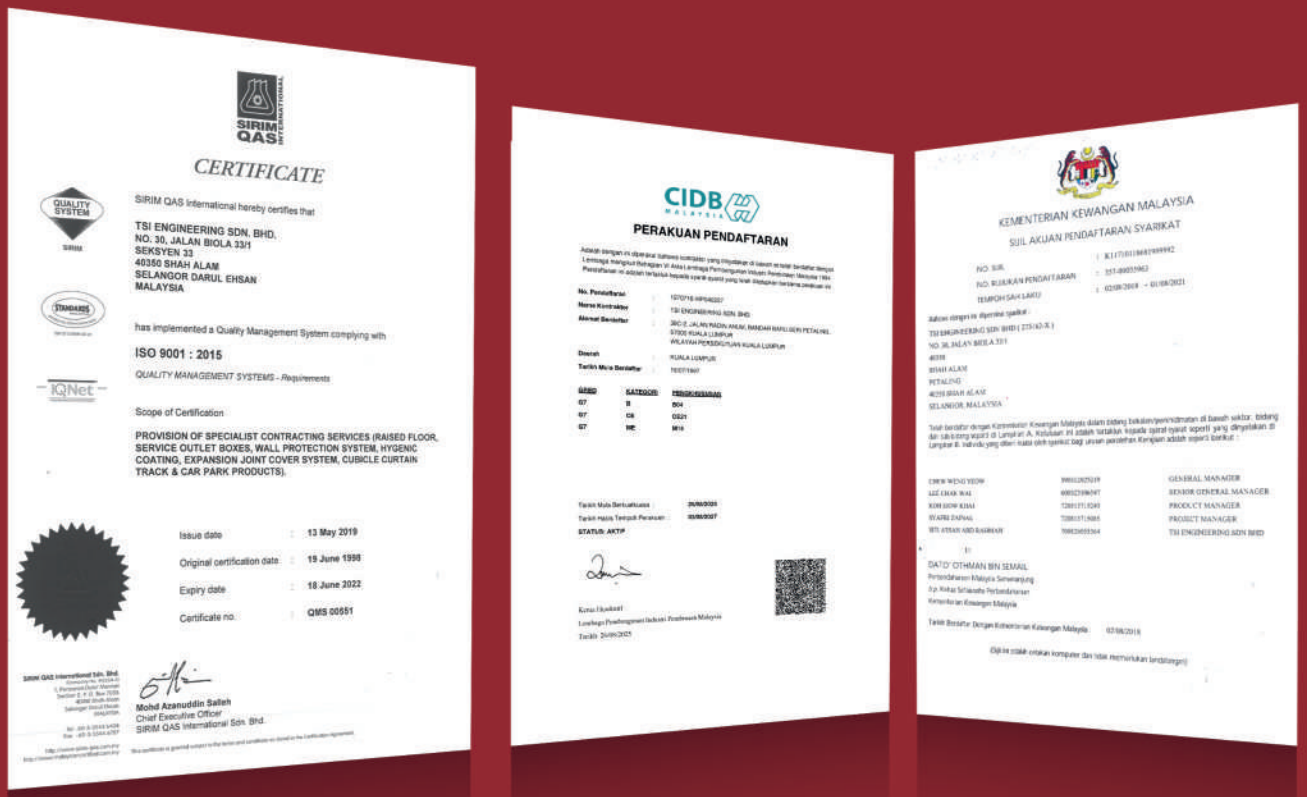
WAL GUARD

Trade mark no : 2013051103
To : TSI ENGINEERING SDN BHD

I HEREBY CERTIFY THAT under the provisions of the Trade Marks Act 1976 and the Trade Marks Regulations 1997, the above-numbered trade mark has been registered in your name as proprietor of the said trade mark in the Register for a period of ten (10) years from 08/02/2013 to 08/02/2023 in Class 19 in respect of the following goods:

BEAMS, NOT OF METAL; BUILDING MATERIALS, NOT OF METAL; BUILDING PANELS, NOT OF METAL; COATINGS (BUILDING MATERIALS); COVERINGS, NOT OF METAL, FOR BUILDING; CEMENTITIOUS PROTECTIVE COATINGS; FLOOR TILES, NOT OF METAL; FLOORS, NOT OF METAL; WALL LININGS, NOT OF METAL, FOR BUILDING; WALL TILES, NOT OF METAL, FOR BUILDING; ALL INCLUDED IN CLASS 19.

(DATO' SHAMSIAH KAMARUDDIN)
REGISTRAR OF TRADE MARKS
MALAYSIA



SIRIM QAS

CERTIFICATE

SIRIM QAS International hereby certifies that

TSI ENGINEERING SDN. BHD.
NO. 30, JALAN BIOLA 33/1
SEKSYEN 33
40350 SHAH ALAM
SELANGOR DARUL EHSAN
MALAYSIA

has implemented a Quality Management System complying with

ISO 9001 : 2015

QUALITY MANAGEMENT SYSTEMS - Requirements

Scope of Certification

PROVISION OF SPECIALIST CONTRACTING SERVICES (RAISED FLOOR, SERVICE OUTLET BOXES, WALL PROTECTION SYSTEM, HYGENIC COATING, EXPANSION JOINT COVER SYSTEM, CUBICLE CURTAIN TRACK & CAR PARK PRODUCTS).

Issue date : 13 May 2019
Original certification date : 19 June 1998
Expiry date : 18 June 2022
Certificate no. : QMS 00651

Mohd Azanuddin Salleh
Chief Executive Officer
SIRIM QAS International Sdn. Bhd.

CIDB MALAYSIA

PERAKUAN PENDAFTARAN

Adalah dengan ini diperakui bahawa kontraktor yang tersebutlah di bawah ini telah berdaftar dengan Lembaga mengikut Peraturan 91 Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan tentang perkara ini.

No. Pendaftaran : 1070716-HP0402027
Nama Kontraktor : TSI ENGINEERING SDN. BHD.
Alamat Berdaftar : 39C-2, JALAN RADIN ANUM, BANDAR BARU SRI PETALING, 57000 KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR
Daerah : KUALA LUMPUR
Tarikh Mula Berdaftar : 19/07/1997

GRED	KATEGORI	PENGKHUSUSAN
G7	B	B04
G7	CE	CE21
G7	ME	ME6

Tarikh Mula Berkuatkuasa : 01/05/2021
Tarikh Habis Tempoh Perakuan : 30/06/2027
STATUS: AKTIF

Ketua Eksekutif
Lembaga Pembangunan Industri Pembinaan Malaysia
Tarikh: 24/09/2025

KEMENTERIAN KEWANGAN MALAYSIA

SUIL AKUAN PENDAFTARAN SYARIKAT

NO. SUIL : K1170101868199992
NO. RUJUKAN PENDAFTARAN : 355-000515963
TEMPOH SAH LAKU : 02/08/2018 - 01/08/2021

Adalah dengan ini diperakui syarikat :

TSI ENGINEERING SDN BHD (275143-X)
NO. 30, JALAN BIOLA 33/1
40350
SHAH ALAM
PETALING
40350 SHAH ALAM
SELANGOR, MALAYSIA

Telah berdaftar dengan Kementerian Kewangan Malaysia dalam bidang kelulusan/perkhidmatan di bawah sektor bidang dan sub-bidang seperti di Lampiran A. Kelulusan ini adalah tertakluk kepada syarat-syarat seperti yang dinyatakan di Lampiran B. Individu yang diberi kuasa oleh syarikat bagi urusan pendaftran Kerajaan adalah seperti berikut :

CHEW WENG YEOW	590112025219	GENERAL MANAGER
LEE CHAK WAI	600523086547	SENIOR GENERAL MANAGER
KOH SIOW KIAN	720117115243	PRODUCT MANAGER
HAFIZ ZAINAL	720815715085	PROJECT MANAGER
WIL SYIAN ABD RAHMAN	760526055364	TSI ENGINEERING SDN BHD

DATO' OTHMAN BIN ISMAIL
Pendaftaran Malaysia Sarawak
b.p. Ketua Setiausaha Perbendaharan
Kementerian Kewangan Malaysia

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 02/08/2018

(Slip ini telah cetak komputer dan tidak memerlukan tandatangan)

CONTACT US:

TSI Engineering Sdn. Bhd.

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Fax: +603 5131 5771
Ema l: ts eb z@ts egroup.com
Webs te: www.tsiegroup.com.my

MS
SIRIM

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SINGAPORE