

Evergreen Skytrain

Track Record 2015

Location of project

Burnaby and Coquitlam,
British Columbia, Canada

Product/system used

Area 1 - 7 Skytrain stations
Cathacoat® 313
Bar-rust® 236
Devthane® 379

Area 2 - LIM rails
Intergard 345

Area 3 - Trapezoidal bridges
Cathacoat 302HB
Bar-rust 236
Devthane 379

Project owner

BC Rapid Transit Co. LTD

Applicator

Canron Western Constructors
LPuctors

ISO12944 environment

C-3 High Durability

Surface preparation

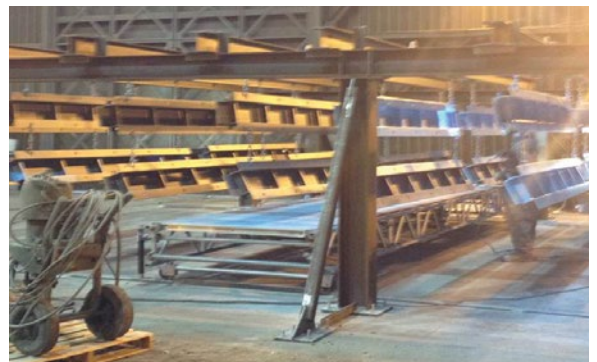
SPPC- SPI10
2-3 mil sharp angular pro

Total volume

12,6000 gallons (47696.19 liters)

Total area

775,000 sq ft (71999.8 m²)



Podium en luifel plein 1945 Petten

Track record 2016

Applied system

Intergard® 269 @ 40µm (2 mils)

Intergard 475 @ 180µm (7 mils)

Autoclear matt

Location of application

The Netherlands

Project owner

Gemeente Delft

Applicator

Straalbedrijf Petersen b.v.

Architect/engineer

IPV Delft



Birmingham New St Station

Track record 2015

Location of application

Birmingham, UK

Products/system used

N4 system - 4,000m²

Intercure® 324 @ 100µm, Intercure 384 @ 125µm,
Interthane® 990 @ 50µm

M24 system - 2,000m²

Interseal® 670HS @ 125µm,
Interthane 990 @ 50µm

Project owner

Network Rail

Engineer

MACE

Applicator/fabricator

Martifer

ISO12944 environment

C3

Total volume

12,000 litres

Total area

6,000m²

Tonnage coated

1,200 ton



The applicator/fabricator Martifer is also in charge of the structural steelwork for the roof, the supply and assembly of the entrance level façades and doors, with firebreak and bomb blast equipped areas, and the modular façade of the John Lewis department store.

Intan College of Sarawak

Track record 2010

Location of project

Kota Samarahan, Sarawak, Malaysia

Products/system used

Interseal® 670HS, Interchar® 963,
Interthane® 990

Project owner

Institut Tadbiran Awam Negara,
Jabatan Perkhidmatan Awam

Applicator/Fabricator

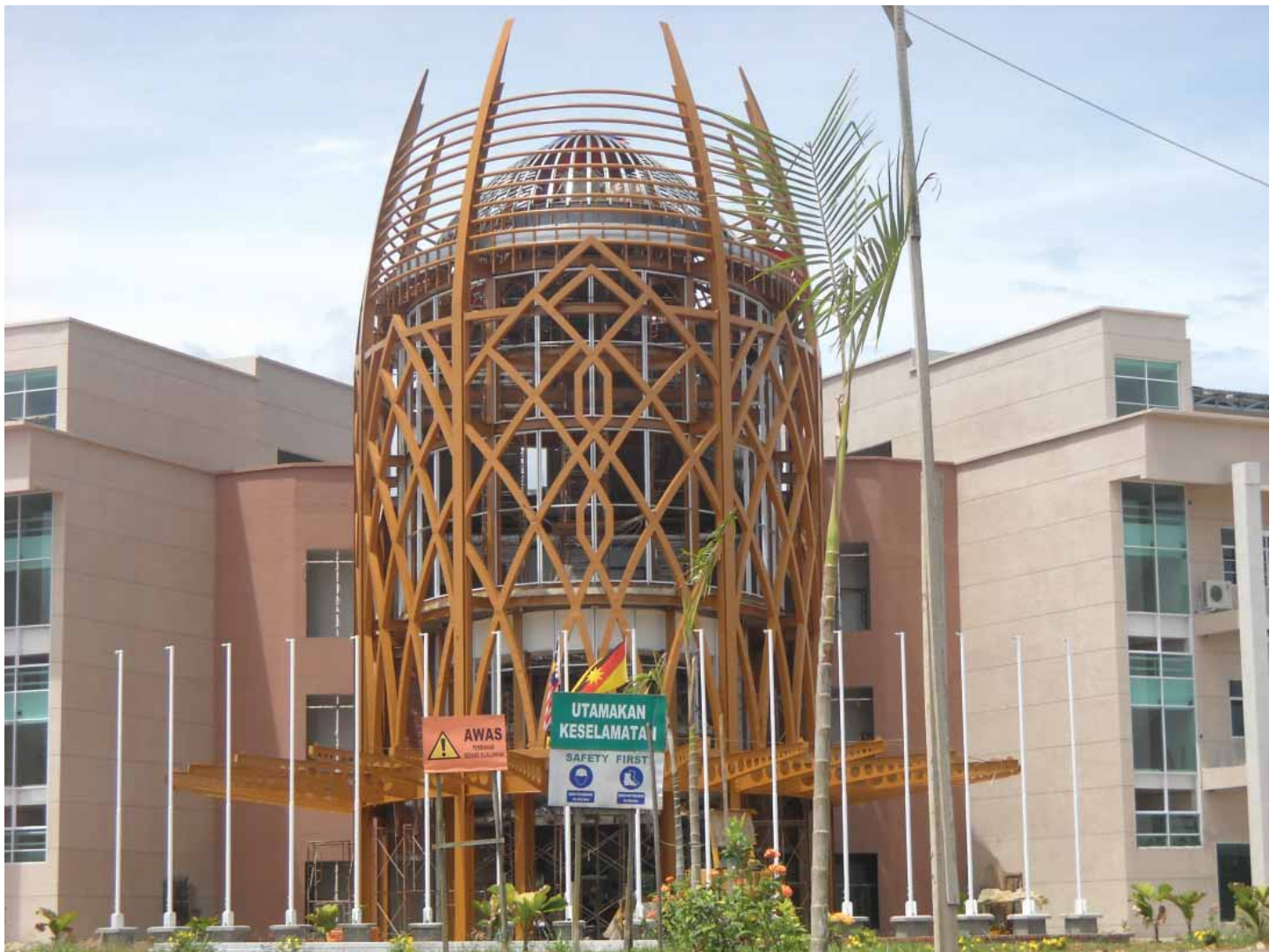
Swee Ho Construction Work Sdn Bhd

ISO12944 environment

C2

Total area

2,284m² (24,585ft²)



Onesteel no2 Pellet Jetty Refurbishment

Case history 2010

Focus product: Interzone® 954 @ 400µm (16 mils) and extra 350µm (14 mils) stripe coat to edges

Year of project: 2006

Location: Australia

Type of project: Ship loading facility

Project owner: Onesteel Pty Ltd

Project size: Approx 9,000m² (96,875ft²)

Area inspected 1

All structural steel supporting jetty decking excellent condition.

Area inspected 2

Structural steel jetty supports excellent condition.

Area inspected 3

Piles were wrapped with Denso.



The customer wanted a product that could be applied in 1 coat at 400µm dft, surface tolerant and could be applied over ultra high pressure water blasted and also dry grit blasted surface preparation

Melaka International Trading Corporation Convention Centre

Track record 2011

Location of project

Malaysia

Products/system used

Interseal® 670HS and
Interthane® 990 Aluminium

Project owner

MITC, Melaka State Government

Applicator

Nordin Group

ISO12944 environment

C2

Total area

15,000m² (161,459ft²)



Splash Party Roller Coaster St. Yas Island

Track record 2011

Location of project

Abu Dhabi

Products/system used

Interzinc® 52, Intergard® 475HS MIO,
Interfine® 979

Project owner

Vekoma

Applicator/Fabricator

Victor Buyck Steel Construction Sdn. Bhd.

ISO12944 environment

C5-I Heavy Industrial (High Durability)

Total area

2,600m² (27,986ft²)



Ernst & Young Tower at Latitude

Track record 2003

Location of project

Sydney, Australia

Products/system used

Area 1 - External steel
Interzinc® 52, Intercure® 420,
Interthane® 990 Metallic

Area 2 - Spire

Interzinc 52, Interfine® 979

Area 3 - Internal steel

Intercure 200, Interthane 870

Project owner

Ernst & Young

Architect

Greg Crone

Contractor

Multiplex

ISO12944 environment

C2

Total area

55,500m² (597,397ft²)



New York Times Building

Track record 2003

Location of project

New York, USA

Products/system used

Epoxy Intumescent Fire Protection

Project owner

The New York Times Company

Fabricator

Owen Steel and AFCO Steel

ISO12944 environment

C3

Total area

23,225m² (249,992ft²)



Deutschebank Place

Track record 2003

Location of project

Sydney, Australia

Products/system used

System 1

Interzinc® 315, Intercure® 420,
Interthane® 870

System 2

Interzinc 315, Intercure 420,
Interthane 990 Metallic

Project owner

Investa Property Group

Applicator/Fabricator

Nepean Engineering Pty Ltd

Contractor

Bovis Lend Lease

Architect

Foster and Partners

ISO12944 environment

C4

Total area

25,000m² (269,098ft²)



Olympic Park Railway Station

Track record 1998

Location of project

Sydney, Australia

Products/system used

Interzinc[®] 315, Intercure[®] 420, Interfine[®] 630

Project owner

Olympic Coordination Authority

Contractor

Leighton Contractors

ISO12944 environment

C3



Victoria Hospital

Track record 2009

Location of project

Kirkcaldy, Fife, Scotland

Products/system used

Interchar® 1120 - 2 hour Fire Protection

Project owner

Balfour Beatty Construction Ltd

Applicator

Pegasus Fire Protection Ltd

Total area

56,000m² (602,779ft²)



Yas Island Project

Track record 2009

Location of project

Abu Dhabi, United Arab Emirates

Products/system used

Interzinc® 52, Intergard® 475HS,
Interthane® 990

Project owner

Aldar Besix/Mubadala

Applicator

Amana Industries AL Jaber Group

Structural consultant

Arup/Ramboll

ISO12944 environment

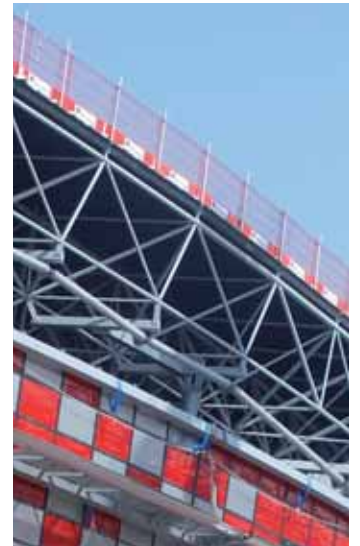
C4

Total volume

50,000 litres (13,209 gals)

Project size

15,000 tons



Washington University School of Medicine

Track record 2009

Location of project

St. Louis, USA

Products/system used

Intergard® 251, Chartek® 1709,
Interthane® 990

Project owner

Washington University School of Medicine

Applicator

S.M. Wilson

ISO12944 environment

C2

Total volume

17,237 kg (38,000 lbs) of Chartek 1709

Total area

743m² (8,000ft²)



Pabellon Puente

Track record 2008

Location of project

Zaragoza, Spain

Products/system used

Area 1 - Interior steel
Interchar® 404, Interthane® 870

Area 2 - Exterior steel
Interplus® 256, Intergard® 475, Interthane 870

Area 3 - Immersion
Interseal® 670HS

Project owner

Inter Ocean Services

Applicator

Tecoin

ISO12944 environment

C4

Total area

14,000m² (150,600ft²)



London Eye

Track record 2003

Location of project

London, UK

Products/system used

Interseal® 670HS

Interfine® 979

Project owner

Merlin Entertainment

Applicator

SA Clovers

ISO12944 environment

C3 light industrial

Area coated

30,000 m² (328,200 ft²)



Palacio de Congresos

Track record 2008

Location of project

Zaragoza, Spain

Products/system used

Interchar® 404

Applicator

Aplitecsa

ISO12944 environment

C1

Total area

14,000m² (150,600ft²)



Spinnaker Tower

Track record 2005

Location of project
UK

Products/system used
Interzinc® 52HS - 75µm (3 mils)
Interfine® 979 - 125µm (5 mils)

Project owner
Portsmouth County Council

Applicator
Jack Tighe

ISO12944 environment
C4

Total area
6,000m² (64,500ft²)



Krekshino Customs Terminal

Track record 2006

Location of project

Russia

Products/system used

Interchar® 963

Project owner

Federal Customs Service of Russia

Applicator

Mochba Ltd.

ISO12944 environment

C2 Non industrial (high durability)

Area coated

19,500 m² (209,800 ft²)



Rotterdam Central Station

Track record 2011

Location of project

The Netherlands

Products/system used

Interchar® 404, Intergard® 251,
Interthane® 870, Intercure® 200,
Intergard® 475HS

Project owner

Gemeente Rotterdam

Applicator/Fabricator

Iemants NV

ISO12944 Environment

Fireproofing system

Total area

Approx. 40,000m² (430,556ft²)

Total volume

32,800 litres (8,665 gals)



Wuxi Grand Theatre

Case study 2011

Focus product: Interthane® 990 Metallic

Year of project: 2008 through to 2011

Location: China

Project owner: Office for the Important Urban Projects,
Culture and Art Administration in Wuxi

Fabricator: Jiangsu Huning Steel Mechanism Co., Ltd

Architect: PES in Finland

LDI: Shanghai Institute of Architectural Design & Research (SIADR)

Project size: 70,000m² (753,474ft²)

Background

The Wuxi Grand Theatre covers a total area of 100,000 m² and stands on the south bank of the Lihu Lake. The building, which has been compared with the Sydney Opera House, is designed to look like a dragonfly with a roof constructed in eight wing-shape sections. Costing over RMB 1bn to build, it was completed in May 2011. The development consists of a main performing hall with a capacity of 1700 and second multi-function hall with a capacity of 700.

The solution

During the initial design phase, the roles and areas of influence of PES in Finland and China were established and a dialogue began with both offices. AkzoNobel secured sole specification from the owner and our products were specified within the technical requirements of the design documents. At the beginning, both Interline® 878 and Interthane 990 were considered but finally, a top coat of Interthane 990 only was selected as the architect required a metallic coloring. The product was also chosen for its long term recoatability. Several fabricators bidding on the project were identified and visited by AkzoNobel. All companies in the contract chain have been satisfied with our products in terms of quality, aesthetics and also technical support.



ChongQing Light Railway

Case study 2012

Focus product: Interchar® 973, Interchar 1120, Interchar 1983 (also Interzinc® 42, Intergard® 475HS & Interthane® 990)

Year of project: 2009 through to 2012

Location: China

Project owner: Chongqing Metro Co.,Ltd.

Applicator/fabricator: Metallurgical Construction Co.,Ltd.

Surface preparation: Sa 2.5

ISO12944 environment: C3

Project size: 80,000L

Background

Line 3 of Chongqing light rail is currently being constructed in 3 phases. Phases 1 and 2 are now finished, with phase 3 ongoing. The project is very well known as the light railway runs the length of ChongQing city.

This project was introduced to reduce traffic jams in the city and in addition the government has decided to build series of light railways.

The owner has high quality requirements for this project in terms of aesthetics and particularly in terms of safety for users of public transport. The customer requires excellent anticorrosion and fire protection performance. In a fire, it is essential that people have enough time to escape the building.

The solution

From hundreds of paint suppliers and local brands, AkzoNobel were chosen to provide the most appropriate solutions for the customers expectations. The customer was primarily impressed by our performance and high level of service.

The Interchar Range of intumescent from AkzoNobel is designed to provide safety to people by protecting structural steelwork from a cellulosic or "standard" fire for periods of up to three hours. Interchar, AkzoNobel's comprehensive range of thin film acrylic coatings provides an efficient method to protect steelwork while maintaining the visual and architectural aesthetics of a structure. To account for severe environmental exposures, durable epoxy Interchar intumescent coatings are also available. In addition to durability, these extremely resilient intumescent coatings have the benefit of testing against blast and impact.

The owner chose our products for their high quality and aesthetics as well as for our testing processes. At AkzoNobel we ensure that all of our Interchar products are independently tested and certified. This involves type testing and audit testing for fire and non-fire performance together with factory production control.



Azerbaijan Carpet Museum

Track record 2011

Location of project

Baku, Azerbaijan

Products/system used

Interchar[®] 963, Interchar[®] 973

Project owner

Azerbaijan Tourism and Culture Ministry

Applicator

KBB/MEISSL

Contractor

NCA

ISO12944 environment

C1 Fireproofing

Volume of paint

8,000 litres (2,113 gals)



Shanghai Tower Building

Case study 2014

Focus product: Interchar® 1983

Year of project: 2009 through to 2014

Location: Pudong, Shanghai, China

Project owner: Shanghai Tower Construction and Development Co., Ltd

Fabricator: Shanghai BaoSteel Construction Co., Ltd / Jiangsu Huning Steel Mechanism Co., Ltd

Applicator: Shanghai Research Institute of Building Sciences

Surface preparation: ISO 8501-1 Sa 2.5

ISO12944 environment: C3

Project size: 200,000 litres

Background

The Shanghai Tower Building will be the tallest building in Shanghai at a height of 632 metres. The construction area in total adds up to 576,000m². Three shareholders form the equity partnership for the Shanghai Tower and are jointly funding the development and construction of the building with registered capital of RMB 5.4 billion.



Side by side with the Jinmao Tower and the World Financial Center, the Shanghai Tower is located at the heart of the Lujiazui Finance & Trade Zone. Together this trio will redefine the Lujiazui area skyline and provide it with a new look, which will in turn demonstrate success of the Pudong New Area.

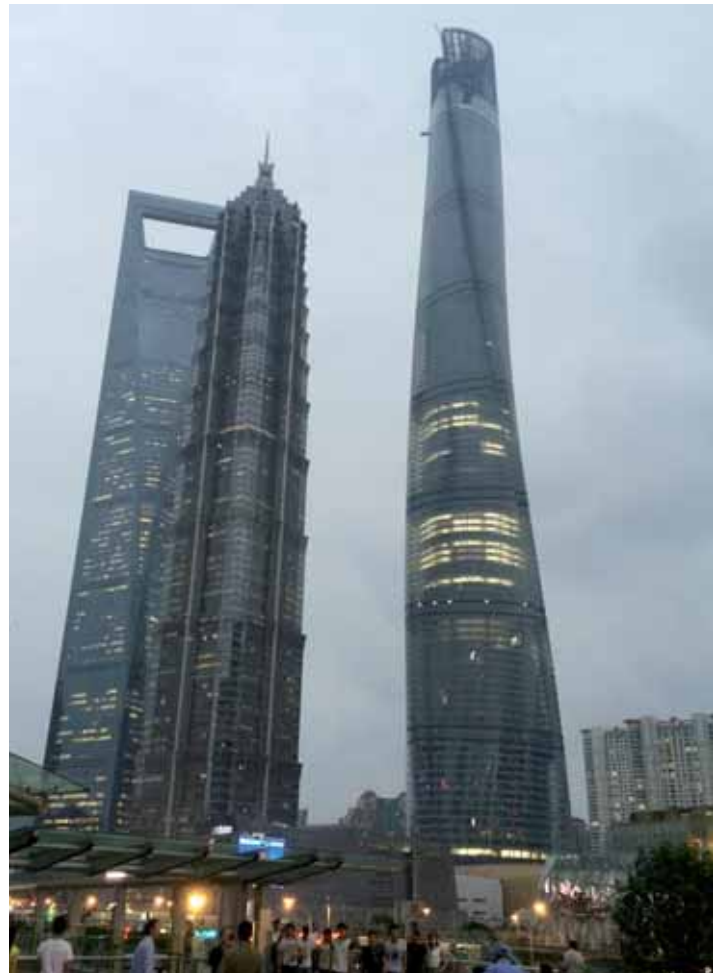
Driven to pursue the “highest, noblest and most exquisite” design and development

objectives for Shanghai Tower, the corporation is leveraging more than 10 years of construction management and market expertise to deliver a landmark building worthy of Shanghai's place on the world stage.

The solution

Interchar 1983 is a single component, solvent borne, high solids intumescent coating independently tested to assess fire protection performance on structural steelwork in accordance with Chinese Standard GB 14907-2002. It has been tested to GB14907 for internal and external use. The intended use is to provide fire protection for stair steel structures and facade supporting steel structures up to 1.5 hours. Interchar 1983 represents the latest development in fire protection and is supported by over 30 years experience in this field. In house testing has been completed in Suzhou prior to the project to confirm compatibility of the primer and the system. Topcoats will be applied on site.

Interchar 1983 is suitable for application in both on and off-site application facilities and can be used over a range of approved priming systems. Applied as a thin layer, our product does not compromise intricate designs and shapes created from the structural steel. It is also an easy over coating with a wide range of coloured finishes allowing the full design features to be fully displayed. That is why even though there was tough competition during the tender period, AkzoNobel's system was chosen as being the most suitable product solution for this project.



Our first class products, the Technical Service Representative and our high quality of service all contributed towards our success at the Shanghai Tower.

Sarawak Energy Berhad Corporate Office

Track record 2011

Location of project

Malaysia

Products/system used

Intergard® 251, Intergard 475HS,
Interthane® 990

Project owner

Sarawak Energy Berhad

Applicator/Fabricator

KKB Engineering Berhad

ISO12944 environment

C3

Project size

10,000 m²



Rehabilitation of Metal Sheet Piles and Piles Springs

Track record 2013

Location of project

El Salvador

Products/system used

Interzone® 954 @ 610µm (24 mils)

Project owner

Comisión Ejecutiva Portuaria Autónoma

Applicator

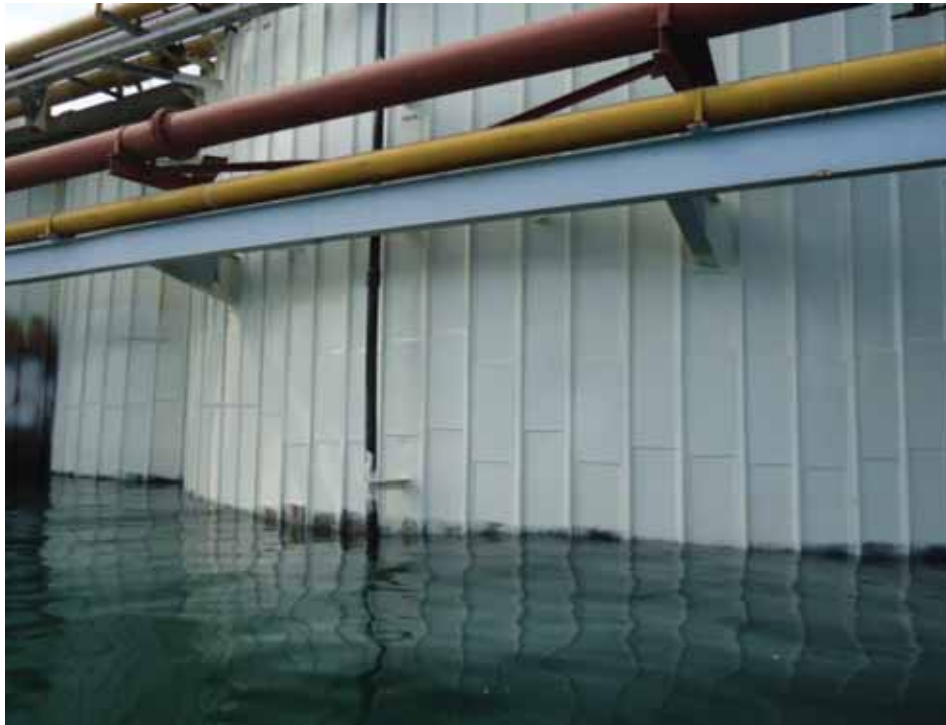
CYMCA S.A. de C.V.

ISO12944 environment

C5M

Total area

50,000m²



Yas Marina Hotel

Track record 2009

Location of project

Abu Dhabi, UAE

Products/system used

Interzinc® 52
Intergard® 475HS
Interthane® 990

Project owner

Viceroy Hotels

Applicator

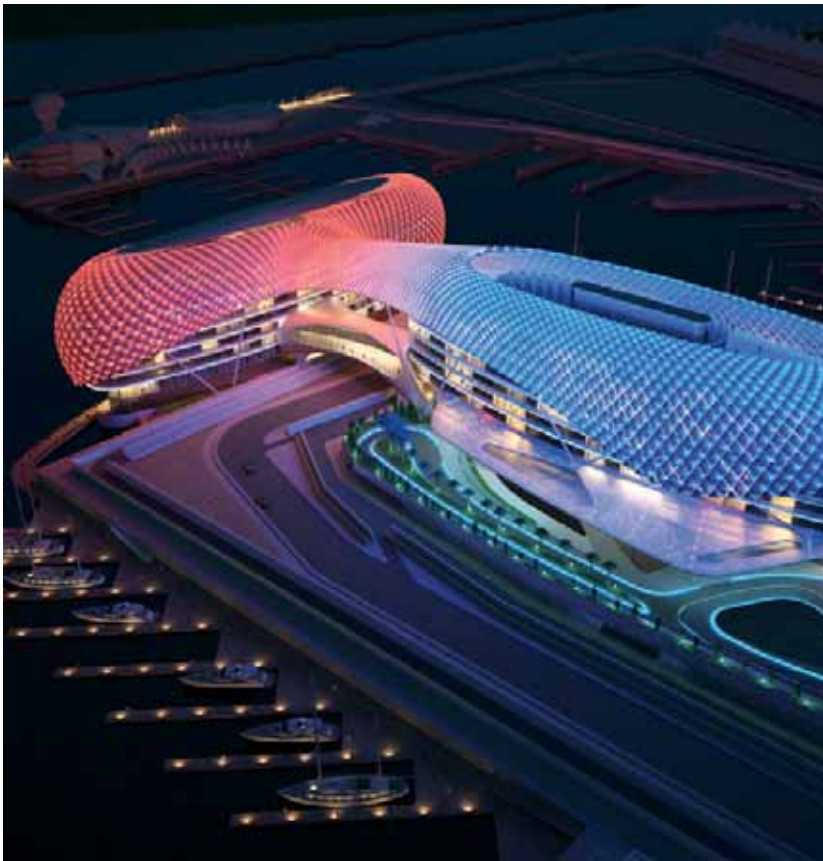
Al Jaber

ISO12944 environment

C3

Surface preparation

Sa2.5



Perth Arena

Track record 2011

Location of project

Perth, Australia

Products/system used

Area 1 - Interzinc® 86

Area 2 - Interplus® 356, Interfine® 979,
Interfine® 878

Project owner

Western Australia Government

Applicator

Ferro Clean

Fabricator

Park Engineering, Kays Engineering
and Vector Lifting

ISO12944 environment

C3

Project size

160,000m² (1,722,226ft²)



Port Lincoln Hospital

Track record 2013

Location of project

South Australia

Products/system used

Focus product

Interchar® 963

Additional products

Interzinc® 86, Intergard® 269,

Interthane® 870

Project owner

SA Government

Applicator

Gubby Painting Contractors

Fabricator

SA Structural

Specifier

Aurecon

ISO12944 environment

C2

Surface preparation

Sa 2.5

Total area

2,500m² (26,910ft²)



**“Single source solution
i.e. primer, intumescent and topcoat from one manufacturer”**



Cameron Bridge Distillery

Case study 2013

Background

Interchar bolt caps were successfully used on the Cameron Bridge Distillery, Leven, Fife – this was a two hour protection requirement and Interchar 1190 was applied to the steel offsite by Central Blasting and Painting and transported to and erected on site with no damage. This left only the bolted connection remaining to be protected.



Project: Aesthetic fire protection for bolted connections

Focus product: Interchar[®] bolt caps

Location: Leven, Fife, Scotland



The solution

The installation contractor was Graham Robinson of Tayblast who stated “using bolt caps made the time on site to protect the bolted connections an absolute minimum, one tap and they are done. This job was a dream as the intumescent paint had all been applied offsite and the bolts were the only thing left - no mess, no wasting time on cherry pickers, no paint on site, no multiple coating. I would recommend and use again - neat, effective and efficient.”

This was a good example of best practice with minimum time spent on site and maximum protection that is repeatable and efficient to install and it does not cost more and there are no waste disposal or inspections costs.

Refrigeration module

Track record 2013

Location of project

Azerbaijan

Products/system used

Intergard® 740 @ 50µm (2 mils)

Interzone® 954 @ 300µm (11.8 mils)

Interseal® 670HS @ 150µm (5.9 mils)

Intergard® 740 @ 50µm (2 mils)

Project owner

Sfera 96

Surface preparation

St3 Mechanical cleaning

ISO12944 environment

C4 High corrosive environment

Project size

512m² (5,511ft²)



Azerbaijan International Bus Terminal

Track record 2009

Location of project

Azerbaijan

Products/system used

Intergard® 251 @ 50µm (2 mils)

Intergard® 475 @ 200µm (8 mils)

Interthane® 990 @ 50µm (2 mils)

Project owner

Ministry of Transport
of Azerbaijan Republic

Applicator

PCH

Fabricator

ZQAN Holding

ISO12944 environment

C1 Heated buildings/
neutral atmosphere

Project size

24,000m² (258,334ft²)



AMP building roof facade

Track record 2013

Location of project

Australia

Products/system used

Roof Facade -
Interplus[®] 356, Interfine[®] 1080

Project owner

AMP

Applicator

Higgins Coatings

ISO12944 environment

C3

Project size

20,000m² (215,278ft²)



DLTP Moorebank Logistics Centre

Track record 2013

Location of project

Australia

Products/system used

Intergard[®] 345, Intercure[®] 200,
Intergard[®] 420, interthane[®] 870

Project owner

New South Wales Government

Applicator/Fabricator

Hutchins Bros Engineering

ISO12944 environment

C3

Project size

800 tons



Corio Villa Heritage Steel House

Track record 2013

Location of project

Australia

Project owner

Barwon Water

ISO12944 environment

C4

Products/system used

Interzinc® 52, Interplus® 356,
Interthane® 990

Applicator

Hydroblast



Melbourne Star Observation Wheel

Track record 2013

Location of project

Australia

Products/system used

Interzinc® 52, Interfine® 979

Project owner

Sanoyas Rides Corporation

Applicator

Action Alliance
McElligotts (Tas)

Fabricator

Haywards
Alfasi Constructions

ISO12944 environment
C4

Project size

1200 tonnes of steel



8 Chifley Square

Track record 2012

Location of project

Australia

Products/system used

Area 1 - Interfine® acrylic polysiloxane

Area 2 - Interzinc® 52 @ 75µm (3 mils)

Intergard® 475 @ 200µm (8 mils)

Interfine® 878 @ 75µm (3 mils)

Project owner

Mirvac

Applicator/Fabricator

Nepean Engineering - Jinggong steel

ISO12944 environment

C4

Project size

21,700m² (233,577ft²)



Wigram Airforce Museum

Track record 2012

Location of project

New Zealand

Products/system used

Interzinc® 42, Interthane® 990

Applicator

Abrasive Blasting Contractors

Fabricator

John Jones Steel

ISO12944 environment

C2 Low

Total area

4,000m² (43,056ft²)



Image courtesy of Warren & Mahoney



Image courtesy of Warren & Mahoney

Auckland Art Gallery Toi o Tāmaki

Track record 2011

Location of project

Auckland, New Zealand

Products/system used

Interzinc® 42, Intergard® 251,
Interchar® 963, Interthane® 990

Main contractor

Hawkins Construction

Fabricator

Enterprize Steel

Architect

Jasmax

Project size

6,500m² (69,965ft²)



All images courtesy of Auckland Art Gallery Toi o Tāmaki

ASB North Wharf

Track record 2012

Location of project

Auckland, New Zealand

Applicator

Gritblast, Contract Coatings

Fabricator

Grayson's Engineering

Architect

Jasmax

Products/system used

External Steelwork:

Interzinc® 52, Intergard® 345,
Interthane® 870 Metallic

Internal Steelwork:

Intercure® 200, Interchar® 963,
Intersheen® 579

External Fibreglass:

Intergard® 269, Interfine® 878

Main contractor

Fletchers Construction

Project size

9,000m² (96,875ft²)



Abdullah Gul University

Track record 2013

Location of project

Turkey

Products/system used

System for Fire Protection

Intergard® 251 @ 50µm

Interchar® 2060

Interthane® 990SG @ 50µm

System for Concrete

Intergard® 740

Interthane® 990SG

Project owner

Government of Turkey

Applicator

Atagem Ltd. Şti.

ISO12944 environment

Fire protection

Project size

Fire protection system:

35,000m² (376,737ft²)

Concrete system:

15,000m² (161,459ft²)



Aegir Apartments

Track record 2013

Location of project

Onslow, Western Australia

Products/system used

Intergard® 251, Interchar® 212,
Interthane® 990

Project owner

Nordic

Applicator/Fabricator

C&T Modular Co Ltd.

Architect

a+a macliver

Builder

Nordic Home

Fire Rating

1 hour

ISO12944 environment

C3

Volume

Intergard® 251: 251 litres (66 gals)

Interchar® 212: 6,000 litres (1,585 gals)

Surface coated

4,000m² (43,056ft²)



A modular construction project due to the isolated location, with fabrication and application in Thailand



SheiKra rollercoaster

Track record 2011

Location of project

Florida, USA

Products/system used

Interfine® 1080, Interzone® 954,
Interplus® 356, Interthane® 990

Project owner

Busch Gardens

Applicator

Service Painting Corporation

Surface preparation

SP-3 power tool clean,
SP-10 near white blast clean

Total area

25,500m² (275,000ft²)



EXO C11 Building Facade Frames and Canopies

Track record 2013

Location of project

Australia

Products/system used

Towers
Interzinc® 52, Interfine® 979

Project owner

Lend Lease

Applicator/Fabricator

Wilhelmsen Manufacturing

ISO12944 environment

C4

Project value

\$200,000 worth of paint



Boggo Road Busway Station

Case history 2013

Focus product: Interfine® 979

Year of project: 2008

Location: Boggo Rd Busway Station, Australia

Products/system used: Interzinc® 52, Interfine 979

Project owner: Translink

Applicator: Tranzblast

Fabricator: Beenleigh Steel

ISO12944 environment: C2

Project size: 6,500m² (69,965ft²)



Colour and gloss still very good after 5 years in service



“AkzoNobel’s 2 coat system of epoxy zinc / polysiloxane is a fast cure system which allows us to turn the steel a lot quicker, giving us increased output through the paint shed.”

PA Hospital Bus Station

Case history 2013

Focus product: Interfine® 979

Year of project: 2008

Location: PA Hospital Bus Station, Australia

Products/system used: Interzinc® 52, Interfine 979

Project owner: Translink

Applicator: Tranzblast

Fabricator: Beenleigh Steel

ISO12944 environment: C2

Project size: 4,900m² (52,743ft²)



Colour and gloss still very good after 5 years in service



“AkzoNobel’s 2 coat system of epoxy zinc / polysiloxane is a fast cure system which allows us to turn the steel a lot quicker, giving us increased output through the paint shed.”

Caroline Bay Aquatic Centre

Track record 2012

Location of project

Timaru, New Zealand

Project owner

Timaru District Council

Fabricator

John Jones Steel

Project size

4,000m² (43,056ft²)

Products/system used

Interzinc® 42, Intercure® 420,
Interthane® 990

Applicator

Abrasive Blasting Contractors

ISO12944 environment

C3 Medium



Carlaw Park Student Accommodation

Track record 2013

Location of project

Auckland, New Zealand

Main contractor

Hayden & Rollett Construction

Products/system used

Structural steel

Intergard® 251

Exterior non structural steel

Intergard® 251, Interplus® 1180,

Interthane® 870

Applicator

Gritblast, Auckland Steel Blasters,
Target Painters

Total area

12,000m² (129,167ft²)



Tui Fertiliser Warehouse

Track record 2013

Location of project

Bay of Plenty, New Zealand

Main contractor

Strongline Builders

Applicator

Bay Sandblasting

Products/system used

External & internal exposed structural steel
Intergard® 251, Interplus® 1180, Interthane® 870

Internal exposed fertiliser bay
Interzone® 954

Internal intumescent
Intergard® 251, Interchar® 2060, Interthane® 870

Fabricator

Steelworks

Project size

7,000m² (75,347ft²)



Cardinal Logistics

Track record 2013

Location of project

Auckland, New Zealand

Applicator

Gritblast, Target Painters

Products/system used

Structural steelwork
Intergard® 251

Internal steelwork
Interthane® 870 Metallic, Interchar® 2060,
Intersheen® 579

Main contractor

Hayden & Rollett

Project size

11,000m² (118,403ft²)



Auckland Business School

Track record 2009

Location of project

New Zealand

Products/system used

Structural steelwork

Interzinc® 42, Intergard® 251,
Interthane® 870, Interthane® 990 Metallic

Interior intumescent

Interzinc® 42, Interchar® 963,
Interthane® 990

Architect

Francis-Jones Morehen Thorp (FJMT)
and Archimedia

Main contractor

Fletcher Construction

Project size

23,500m² (252,952ft²)



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Royal Adelaide Hospital

Track record 2014

Location of project

Australia

Project owner

SA Government

Architect

Design Inc

Project size

2,000m² (21,528ft²)

Products/system used

Riser frames
Interzinc® 52,
Interchar® 2060 (60 mins fire rating),
Interthane® 870

Applicator

TruCoat

Fabricator

Manuele Engineering

Engineers

KBR/Wallbridge and Gilbert

Total volume

1,600 litres (423 gals)

ISO12944 environment

C2 Internal



Jinmao Tower

Track record 1998

Location of project

Shanghai, China

Products/system used

Intumescent Passive Fire Protection

Project owner

China Jin Mao Group Co., Ltd.

Architect

S.O.M.

Fabricator

Nippon Steel Corporation

ISO12944 environment

C3

Surface preparation

Sa2.5

Substrate

Carbon steel (14,000 tonnes)

Total volume

14,200 litres (3,124 gals)



Pak n Save Massey North

Track record 2014

Location of project

Auckland, New Zealand

Products/system used

Area 1 - External Exposed
Steelwork

Intergard® 251, Interplus® 1180,
Interthane® 990

Area 2 - Internal Exposed

Intumescent Steelwork

Intergard® 251, Interchar® 2060,
Interthane® 990

Applicator shop applied

Counties Industrial Coatings

Applicator on-site applied

Target Painters Ltd

Surface preparation

Enterprize Steel

Main contractor

Naylor Love Contractors

ISO12944 environment

C1 & C3

Project size

8,500m² (91,493ft²)



Lafarge C2 - Clinker Silos Refurbishment

Track record 2014

Location of project

Richards Bay, South Africa

Products/system used

Interseal[®] 670HS @ 125µm (5 mils)

Interthane[®] 990 @ 50µm (2 mils)

Project owner

Lafarge South Africa Holdings (Pty) Ltd.

Applicator

Maxlife Coatings

ISO12944 environment

C5I

Project size

1,250m² (13,455ft²)



IB-WEB warehouse

Track record 2015

Location of project

Republic of Kazakhstan, Atyrau region, Tengiz field

Products/system used

Structural steel and pipe spools -
Interzinc® 52, Intergard® 475HS, Interthane® 990

Project owner

TCO TengizChevrOil

Surface preparation

ISO 8504 Sa2½

Total area

5,000m² (53,820ft²)



Arcelor Mital pipe coating

Track record 2015

Location of project
Brazil

Project owner
Arcelor Mital Tubarão

ISO12944 environment
C5-M

Products/system used
Interzone® 485 - 3 x 1,000µm

Applicator
Matricial

Project size
12,000L



Christchurch Bus Interchange

Track record 2015

Location of project

New Zealand

Products/system used

External - Intergard® 251,
Interplus® 1180, Interfine® 629

Internal - Intergard 251, Interfine 629

Project owner

Christchurch City Council

Applicator

Primer - John Jones Steel,
Topcoats - Jeff Dermotts Ltd

Fabricator

John Jones Steel

ISO12944 environment

C3 Medium

Total area

10,000m² (107,639ft²)



Kaiapoi Library & Museum

Track record 2014

Location of project

New Zealand

Products/system used

Intergard® 251, Interchar® 2060,
Interthane® 870

Project owner

Waimakariri District Council

Applicator

Primer & Intumescent –
Maverick Sandblasting 2012 Ltd
Topcoat – Spencer Painters

Fabricator

Chapman Engineering

ISO12944 environment

Internal

Total area

3,000m² (32,292ft²)



Mainfreight Hamilton

Track record 2015

Location of project

Hamilton, New Zealand

Products/system used

Interzinc® 42, Interthane® 990

Project owner

Mainfreight

Applicator

D&H Steel, Hamilton Blast & Paint

Fabricator

D&H Steel, Waikato Steel Fabricators

ISO12944 environment

C1 & C3

Total area

18,000m² (193,750ft²)



Lavalin Radio Tower

Track record 2015

Location of project

Republic of Kazakhstan,
Atyrau region, Tengiz field

Products/system used

Interzinc® 22, Interzinc 52,
Intergard® 475HS, Interthane® 990

Project owner

TCO TengizChevrOil

Applicator

Ariadna

Surface preparation

ISO 8504 Sa2½

Total volume

1,471 litres (388 gals)

Total area

614m² (6,609ft²)



Baku Shipyard Project

Track record 2013

Location of project

Turkey

Products/system used

System for structural steel:
Interzinc® 52 - 60µm (2 mils)
Intergard® 475HS - 200µm (8 mils)
Interthane® 990 - 60µm (2 mils)

Project owner

Baku Shipyard LLC

Applicator

KEMIPAZ ENDUSTRI
SAN. VE TIC. A.S.

ISO12944 environment

C5M High

Project size

5500 ton



Awly Building

Track record 2015

Location of project

Christchurch, New Zealand

Products/system used

Area 1 - Intergard® 251, Interchar® 1260, Intercryl® 853

Area 2 - Intergard 251, Interchar 1190, Intercryl 853

Waterbased system - Intercryl 525, Interchar 1260, Intercryl 853

Applicator

RPM Ltd

Fabricator

Fabricated in China

ISO12944 environment

C3

Project size

8,000m² (86,111ft²)



141 Cambridge Terrace

Track record 2015

Location of project

Christchurch, New Zealand

Products/system used

Area 1 - Intergard® 251, Interchar® 1190,
Interthane® 870

Area 2 - Intergard 251, Interchar 2060,
Interthane 870

Architect

Jasmax

Main contractor

Southbase Construction Ltd

Applicator

Primer - John Jones Steel Ltd, D&H Steel
Intumescent & Topcoat - Jeff Dermott Ltd

Fabricator

John Jones Steel and D&H Steel

ISO12944 environment

C3

Project size

5,000m² (53,820ft²) of steel



Deloitte Building

Track record 2014

Location of project

Christchurch, New Zealand

Products/system used

Intergard® 251, Interchar® 2060, Interthane® 870

Main contractor

Southbase Construction

Architect

Jasmax

Applicator

Jeff Dermott

Fabricator

John Jones Steel

ISO12944 environment

C3 Medium

Project size

10,000m² (107,639ft²)



Mainfreight Auckland

Track record 2014

Location of project

Auckland, New Zealand

Products/system used

Interzinc® 42, Interthane® 990

Project owner

Steel and Tube

Applicator

AABC

Fabricator

D&H

ISO12944 environment

C4

Project size

15,000m² (161,459ft²)



142 Kilmore Street

Track record 2014

Location of project

New Zealand

Products/system used

Intergard® 251, Intercure® 420, Interthane® 870

Intumescent -

Intergard 251, Interchar® 2060,
Interchar 1190, Interthane 870

Applicator

John Jones Steel /
Spencers Painting & Decorating

Fabricator

John Jones Steel

ISO12944 environment

C3 Medium

Project size

5,000m² (53,820ft²)



Rotorua Police Station

Track record 2014

Location of project

Rotorua, New Zealand

Products/system used

Intergard® 251, Interzinc® 52, Interplus® 1180,
Interthane® 990, Interchar® 1190

Architect

Leuschke Group Ltd

Applicator

Shop Application - Pro Blast Ltd (Tauranga)
On-Site Application - Cantec Services Rotorua Ltd

Fabricator

Morgan Steel, Tauranga

Main Contractor

Canam Construction

Project size

7,000m² (75,347ft²)



81 Westney Road

Track record 2015

Location of project

New Zealand

Products/system used

Intergard® 251

Externally exposed steel -
Zinc Metal Spray, Intergard 251,
Interthane® 990

Project owner

James Kirkpatrick

Applicator

Auckland Abrasive Blasting Contractors,
Target Painters

Fabricator

Grayson Engineering

ISO12944 environment

C1 & C4

Project size

22,000m² (236,806ft²)



Juhi Aviation Fuel Storage Tanks

Track record 2012

Location of project

Auckland, New Zealand

Products/system used

External - Interzinc® 52, Interplus® 1180, Interthane® 870
Tank Linings - Interfine® 850

Applicator

Counties Industrial Coatings

Fabricator

Page & Macrae Ltd

Main contractor

Downer Construction

Project size

3,000m² (32,292ft²)



Hellmann Worldwide

Track record 2015

Location of project

Auckland, New Zealand

Project owner

Goodman

Fabricator

D&H Steel

Products/system used

External exposed steelwork

Zinc Metal Spray,

Intergard® 251, Interthane® 990

Internal exposed steelwork

Intergard 251

Applicator

Shop applied

Auckland Abrasive Blasting

Coatings Ltd

On-site applied

Target Painters

ISO12944 environment

C1, C5-I

Project size

25,000m² (269,098ft²)



Baturja Project

Track record 2016

Location of project

Indonesia

Products/system used

Interseal® 1052, Interthane® 990

Fabricator

Jiangsu Yinuo steel structure Engineering Co., Ltd.

Project size

10,000L (2,641 gals)

