

A large industrial storage tank with a spiral staircase on the exterior, illuminated by warm sunlight. The tank's surface is made of corrugated metal, and the staircase is a dark metal structure with yellow safety railings. The lighting creates strong shadows and highlights the texture of the metal.

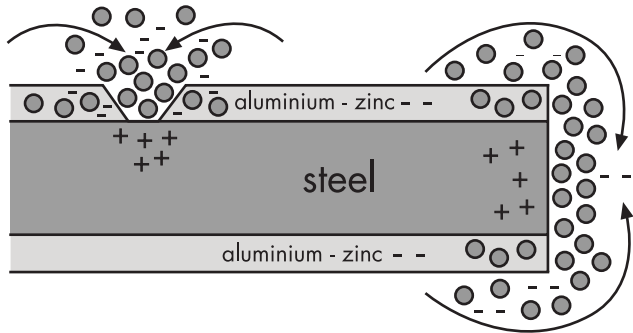
SSAB/Aluzinc

SSAB/ALUZINC

Created in 1963 by Bethlehem Steel Ltd, worldwide Aluzinc production now exceeds 7 million tonnes per annum.

Since 1980 Dobel/SSAB has supplied over 1.5 million square metres of Petrochem Aluzinc® to most of the major chemical and petrochemical plants in some of the harshest environments in the world and not one single metre of product supplied has had to be replaced due to corrosion.

Over thirty-five years experience of supplying Aluzinc to the petrochemical industry ensures that no other supplier comes close to our product knowledge or levels of support. Supplied in two grades and in gauges from 0.4 to 2mm - all available for immediate delivery from our unrivaled levels of UK stock.



WHAT IS ALUZINC ?

Aluzinc is a 55% aluminium, 43.4% zinc and 1.6% silicon double sided coating applied to a steel substrate in a continuous hot dip process, creating an attractive corrosion resistant 'spangled silver' finish, the appearance of which is preserved by a thin layer of aluminium oxide which forms on the top surface.

If the coating is damaged, scratched or where the sheet has been cut, the zinc (via cathodic protection) prevents oxygen and moisture coming into contact with the surface of the steel offering 2 to 4 times more corrosion resistance than conventional galvanised coating.



FIRE INTEGRITY

Petrochem Aluzinc[®] clad insulated pipes have been independently Fire Tested alongside stucco aluminium sheet, aluminium foil, PVC and Butyl rubber cladding - a typical hydrocarbon fire does not reach the melting point of steel, aluminium melts at 660°C.....during the 30 minute test Petrochem Dobelshield[®] cladding remained intact, protecting the insulation and pipework.

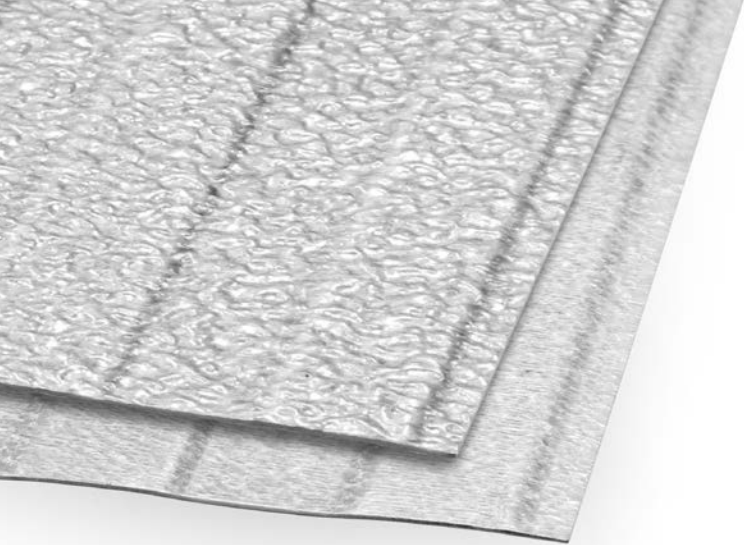
Test Results...during the 30 minute test it was found that aluminium cladding, foil cladding and PIB all melted within three minutes, PVC ignited within 30 seconds!



TWICE THE STRENGTH - HALF THE THICKNESS

Gauge for gauge Petrochem ZX[®] finished Aluzinc has been proven to be more than three times stronger than Aluminium.

In independent testing...an insulated pipe with end caps, clad in 0.4mm thick Petrochem Dobelshield[®] with our Petrochem ZX[®] profile was hardly even dented when pressure was applied equivalent to someone weighing twenty two stone (139.7 kg) standing on it!



5000KG COILS TO CUT SHEET

As well as carrying the UK's largest coil stock of both Petrochem Aluzinc[®] and DX51 Aluzinc, SSAB Swedish Steel's Service Centre in the heart of the West Midlands also houses a modern state-of-the-art Durmech cut-to length line processing both Aluzinc and our pre-painted steel. Incorporated into the line is an embossing facility, which can produce our Petrochem Dobelshield[®] embossed finish direct from the coil.

Once cut to length, material can be rolled into either one of our 'industry standard' profiles Petrochem ZX[®] and Petrochem-Clad[®]

Our unique Petrochem profile is rolled from either Dobelshield finish or flat sheet - allowing thinner, lighter material to be used whilst still retaining the strength of a heavier gauge.



PETROCHEM ALUZINC[®] - FLAT SHEET

Our cut-to-length line can handle sheet from 0.4 to 2.0mm thick and up to 5 metres in length.

Our UK Service Centre also offers a fully integrated slitting service, slitting to width from master coils can be accommodated from 1250mm wide down to just 10mm within 0.5mm tolerance, in thicknesses from 0.4mm to 0.9mm.

Petrochem Aluzinc[®] Grade:

- ***185gm2 coating - approx 25 microns each side***
- ***Gauges 0.4, 0.5, 0.6, 0.7 and 0.8mm***
- ***Coils from 50 kilos to 5000 kilos***
- ***Cut sheets from 0.5 metres long to 5 metres long***
- ***Standard width 1000mm with 1250mm width also available to order***

Construction and Manufacturing Grades

- ***DX51 with 185gm2 coating - approx 25 microns each side - 0.5, 0.7 and 1.00mm***
- ***DX51/150gm2 - approx 20 microns each side - 0.9, 1.0, 1.2, 1.5 and 2mm***
- ***Coils from 50 kilos to 5000 kilos***
- ***Cut sheets from 0.5 metres long to 5 metres long***
- ***Standard width 1000mm with 1250mm width also available***



ALUZINC DOBELSHIELD®

Our industry standard Dobelshield® embossed finish is rolled to order directly from coil material at our UK service centre.

Petrochem Aluzinc® Grade:

- *185gm² coating - approx 25 microns each side*
- *Gauges 0.4, 0.5, 0.6 and 0.7mm*
- *Coils from 50 kilos to 5000 kilos*
- *Cut sheets from 0.5 metres long to 5 metres long*
- *Standard width 1000mm with 1250mm width also available to order*

Construction and Manufacturing Grades

- *DX51 substrate with 185gm² coating - approx 25 microns each side*
- *Coils from 50 kilos to 5000 kilos*
- *Cut sheets from 0.5 metres long to 5 metres long*
- *Standard width 1000mm with 1250mm width also available*

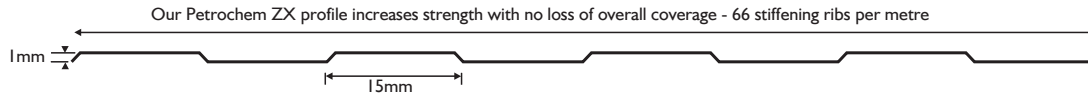


PETROCHEM ZX[®] PROFILE

For increased rigidity, often helpful on large pipe and ductwork projects, our shallow Petrochem ZX[®] profile can be added to either the Dobelshield[®] embossed finish or standard flat finish as required. This profile enables a lighter gauge to be used (0.1 mm/0.3 mm thinner) without loss of rigidity saving on weight and cost. All insulation fabrications, including flange cases, are still easy to mechanically fabricate with our Petrochem ZX[®] Profile.

Available in:

- ***Dobelshield and flat finish***
- ***Cut sheets from 0.5 metres long to 5 metres long***
- ***Standard width 1000mm with 1250mm width also available***
- ***Gauges - 0.4, 0.5, 0.6 and 0.7mm***
- ***Manufactured to ISO 9001:2015 Quality Assurance Standard.***
- ***BS EN10346:2015 - Hot Dip, Double-Sided Coated Steel***

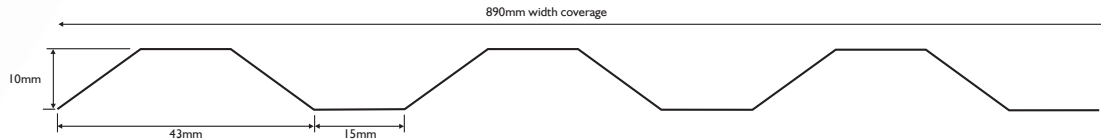


PETROCHEMCLAD[®] PROFILE

PetrochemClad[®] has a nominal 10mm deep profile giving it the strength required for tank and vessel cladding. A consistently regular profile, PetrochemClad[®] has been developed by SSAB Swedish Steel Ltd with a number of design criteria in mind. Namely the profile must be strong; it must be regular and small; it must be much more flexible in use than other profiles; and of course, it must be readily available. PetrochemClad[®] meets all these demands.

Available in:

- ***Cut sheets from 2 to 4 metres long***
- ***Gauges - 0.5 and 0.6mm***
- ***Standard width covers 890mm (with 60mm overlap)***
- ***Manufactured to ISO 9001:2015 Quality Assurance Standard.***
- ***BS EN10346:2015 - Hot Dip, Double-Sided Coated Steel***
- ***Profiled foam fillers available.***



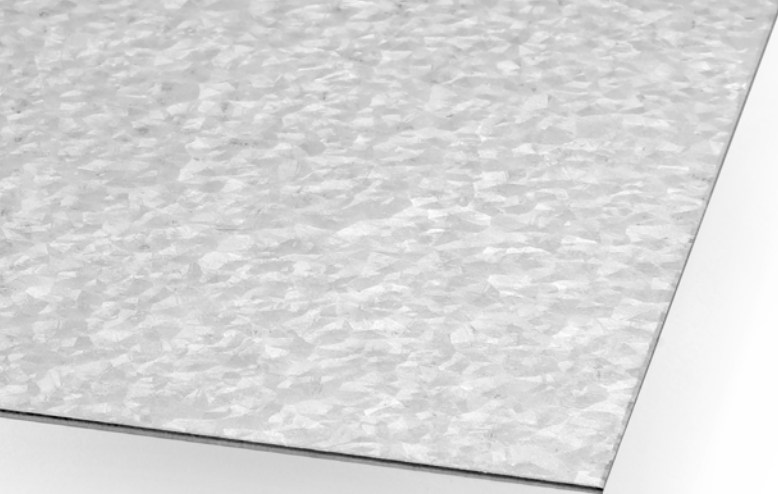


PETROCHEM GRADE

Our premium grade Petrochem Aluzinc[®] is primarily used in the Chemical/Petrochemical industries and high quality pressings where the finer tolerance of the substrate offers exceptionally consistent forming or rolling with the additional “skin pass” offering an improved constancy of surface quality giving a smooth, matt appearance.

Petrochem Aluzinc[®] is available in:

- ***185gm2 coating with ‘anti-fingerprint’ finish as standard.***
- ***Coils from 50 kilos to 5000 kilos***
- ***Cut sheets from 0.5 metres long to 5 metres long***
- ***Gauges 0.4, 0.5, 0.6, 0.7 & 0.8mm***
- ***Standard width 1000mm with 1250mm width also available to order***



ALUZINC - DX51

Our 'standard commercial' grade DX51 substrate is available with both AZ185 (185gm²) and AZ150 (185gm²) coating options for external and internal ductwork, cabinets etc.

DX51/AZ185 is available in:

- ***Coils from 50 kilos to 5000 kilos***
- ***Cut sheets from 0.5 metres long to 5 metres long***
- ***Gauges 0.5, 0.7 & 1.0mm***
- ***Standard width 1000mm with 1250mm width also available***
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DX51/AZ150 is available in:

- ***Coils from 50 kilos to 5000 kilos***
- ***Cut sheets from 0.5 metres long to 5 metres long***
- ***Gauges 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.2, 1.5 & 2.0mm***
- ***Standard width 1000mm with 1250mm width also available***

ANTI - FINGERPRINT COATING

Our Anti-Fingerprint coating is an organic coating approximately 1 Micron thickness which not only creates an additional barrier against corrosion but also provides a temporary protective coating during transport and storage, it is anti-static and creates an ideal bonding and paint surface as the treatment provides a surface that is smooth, pre-primed and ready to paint with most paints. During mechanical forming the coating works as a dry lubricant and helps reduce pick-up on tooling.

ALUZINC STRAPPING/BANDING

SSAB/Aluzinc banding is manufactured using our '185AZ Grade Aluzinc' making it ideal for securing Aluzinc sheets and insulated pipework jacketing as use in the petrochemical and chemical industries as well as HVAC applications.

- **0.7mm x 19mm (3/4inch) wide in 25kg (250 metres) coils from stock.**
- **Other widths and coil lengths available to order.**
- **Good abrasion resistance.**
- **All deliveries are supplied palletised and shrink-wrapped.**





SUPPORTING THE INDUSTRY IN PARTNERSHIP WITH TICA

For many years SSAB have been supplying the Aluzinc sheet used by the students at the TICA Training Centre in Darlington.

We are committed to helping ensure that through quality training, practical skills tuition and the promotion of best practice, TICA's training centre can supply the education needed to provide a young highly skilled workforce for an industry demanding ever increasing levels of safety and efficiency.