

SSAB/Aluzinc

PETROCHEM[®] Data sheet

DESCRIPTION	EN 10346:2015	Hot Dip, Double-Sided Coated Steel - AZ/185
PROPERTIES	Excellent corrosion resistance. Attractive appearance. Excellent thermal and light reflectivity. Good abrasion resistance.	
COATING ANALYSIS	185 g/m ² - Coated both sides. Approx 25 microns thick.	Bright 'Spangle' finish with anti fingerprint coating (1 micron).
CHEMICAL COMPOSITION	Aluminium Zinc Silicon	55% 43.4% 1.6%
MECHANICAL PROPERTIES	Thicknesses available Width Tensile strength R _m (N/mm ²) Elongation A ₈₀ (%) Bulk density	0.4, 0.5, 0.6, 0.7 & 0.8mm 1000mm (with 1250mm available to order) 270-350 ≥34 3750 kg/m ³
PERFORMANCES	Edge protection. Surface protection - Salt spray test corrosion resistance - Outdoor exposure corrosion resistance - Marine - Industrial Reflection of solar heat Heat transmission Coating temperature resistance	Very good 50 hours/μm 0.6 μm/year 0.3 μm/year New 81% - Aged 39% 65 Watts/ m ² 315 °C
ADDITIONAL SERVICES	Flat sheet and Dobelshield [®] Petrochem ZX [®] Profile PetrochemClad Profile	Cut sheet from 0.5 to 5 metres long. 1000mm wide as standard - 1250mm also available special order Slitting to width from master coils can be accommodated from 1000mm wide down to just 10mm within 0.5mm tolerance. Our shallow Petrochem ZX [®] profile can be added to either Dobelshield [®] embossed finish or standard flat finish as required. This profile often enables a lighter gauge to be used (0.1mm / 0.3mm thinner) without loss of rigidity saving on weight and cost. (see over for profile details) PetrochemClad has a nominal 10mm deep profile giving it the strength required for tank and vessel cladding. Standard width covers 890mm with 60mm overlap. (see over for profile details)

SURFACE QUALITY	<p>Normal surface (A) Imperfections such as pimples, marks, scratches, pits, variations in surface appearance, dark spots, stripe marks and light passivation stains are permissible. Stretch levelling breaks or run-off marks may appear. Coil breaks and stretcher strains may appear as well. A-surface is more shiny than B surface.</p> <p>Improved surface (B) Surface quality B is obtained by skin passing. With this surface quality, small imperfections such as stretch levelling breaks, skin pass marks, slight scratches, surface structure, run-off marks and light passivation stains are permissible. Skin-passed B-surface has a matte appearance.</p>
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SURFACE TREATMENT	<p>Petrochem Aluzinc[®] is supplied with our anti-fingerprint coating as standard. Surface treatment is in accordance with RoHS directive (2011/65/EU) and does not contain Chromium VI (Cr6+).</p> <p>Surface treatments provide only temporary surface protection during transportation and storage. White rust tends to form easily on the surface of bright, newly coated coils or in the space between tightly packed sheets if condensed water or rainwater collects on the surface and is not able to evaporate away quickly. In order to avoid white rust, care must be taken to keep the coated products dry during transportation and storage. Condensation may form between laps or sheets due to, for example, daily temperature changes or when bringing cold products into a warm building. If they become wet and white rust begins to form, they must be separated and situated so that they are dried quickly. This will prevent any further formation of white rust.</p>
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DOBELSHEILD [®]	<p>Our industry standard Dobelshield[®] embossed finish is rolled to order directly from coil material at our UK service centre.</p> <ul style="list-style-type: none"> • 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
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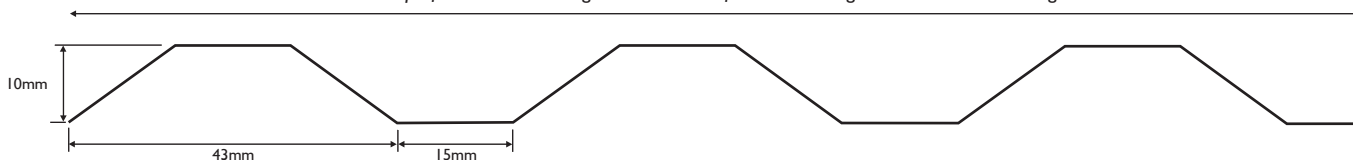
PETROCHEM ZX [®]	<p>For increased rigidity, often helpful on large pipe and ductwork projects, our shallow Petrochem ZX[®] profile can be added to either the Dobelshield[®] embossed finish or standard flat finish as required. All insulation fabrications, including flange cases, are still easy to mechanically fabricate with our Petrochem ZX[®] Profile.</p> <ul style="list-style-type: none"> • 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 Quality Assurance Standard Certificate No.FQA0936907 • Distributed to BS EN ISO 9002 Quality Assurance Standard. Certificate No.890916.
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Our Petrochem ZX[®] profile increases strength with no loss of overall coverage - 66 stiffening ribs per metre



PETROCHEMCLAD [®]	<p>PetrochemClad[®] has a nominal 10mm deep profile giving it the strength required for tank and vessel cladding. A consistently regular profile, PetrochemClad[®] was developed by SSAB Swedish Steel Ltd to be strong, regular and small enough to be more flexible in use than other profiles.</p> <ul style="list-style-type: none"> • 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 Quality Assurance Standard Certificate No.FQA0936907 • Distributed to BS EN ISO 9002 Quality Assurance Standard. Certificate No.890916
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PetrochemClad[®] profile increases strength with no loss of overall coverage - 890cm width coverage



The performances indicated are averages and may vary in particular according to the type of support used. These data are not contractual and may be amended in line with technological progress relating to the product.

The tolerances of these metal coated products are in accordance with standard EN 10143:2006.