

SSAB/Aluzinc

ALUZINC DX51/AZ185 Data sheet

DESCRIPTION	EN 10346:2015	Hot Dip, Double-Sided Coated Steel - DX51/AZ185
PROPERTIES	Our 'standard commercial' grade DX51 substrate is available with both AZ185 (185gm ²) and AZ150 (150gm ²) coating options for external and internal ductwork, cabinets etc.	
	Excellent corrosion resistance. Excellent thermal and light reflectivity.	Attractive appearance. Good abrasion resistance.
COATING ANALYSIS	185 g/m ² - Coated both sides. Approx 25 microns thick.	Bright 'Spangle' finish.
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	0.5, 0.7 & 1.0mm 1000mm (with 1250mm available to order) 270-500 ≥22 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	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 industry standard Dobelshield® stucco embossed finish is rolled to order directly from coil material at our UK service centre. Supplied as cut sheet from 0.5 metres long to 5 metres long, as slit to width or coils from 50 kilos to 5000 kilos. Gauges 0.4, 0.5, 0.6 and 0.7mm - Standard width 1000mm with 1250mm width also available.	
SURFACE QUALITY	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.	

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.