

IB POLYCOAT

Increase your protection

Dual System

Long Service Life
Increased Cost Savings

Thermoplastic Coating
Increase Corrosion Protection
Tough & Flexible



Patent 2010100524
IB International Pty Ltd

Increase the Life of your Galvanised Steel B-Type Couplings



Outstanding durability of Galvanised Steel fittings when Poly Coated, for Steel that is used in Highly Corrosive Environments. Thermoplastic Coatings will increase the Performance of Galvanised Steel Fittings. IB International distributes the largest range of quick connecting couplings with configurations of steel to poly, stainless, galvanized and our latest solution IB Polycoat. Fittings are available flanged, threaded or hoesetail. Sizes range from 2" to 16".

Cost Savings and Increased Service Life.

The following data apply to a 350 micron coating applied under standard conditions onto 3mm thick steel or aluminium. The pretreatment consists of degreasing and gritblasting unless stated.

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Appearance		Smooth/Glossy
Impact Strength	Gardner (drop weight) ASTM D2794, ISO 6272 Direct 23°C Indirect 0°C	2.7 Joules 18.0 Joules
Abrasion	Taber ASTM D4060 H18, 500g load, 1000 cycles	60mg weight loss
Salt Spray	ISO 7253 ASTM B117 DIN 50021 Steel - Scribed - Unscribed Aluminium - Scribed - Unscribed	After 1000 hrs Loss of adhesion less than 10mm from scribe. Under film corrosion 2-3mm No loss of adhesion No loss of adhesion No loss of adhesion
Chemical Resistance	- dilute Acids 23°C - dilute Alkali 23°C - Solvents	Good Good Poor
Adhesion	PSL, TM/9	A-1
Weathering	QUV ISO 4892 ASTM G53 Florida 45° facing South	2000 hrs - No significant change in colour or loss of gloss 3 years - No significant change in colour or loss of gloss
Electrical Dielectric Strength	IEC 243, VDE 0303	47.8 KV/mm at 370 microns
Burning characteristics Ignitability	BS476 Pt5: 1979 500 micron coating BS476; Pt7: 1979 500 micron coating	P-not easily ignitable Class 2
Fire Propagation	BS476; Pt6; 1984 500 micron coating	1 = 0.2
Safe Working Temperature	(Continuous in air)	65°C (max)