

Interzinc 315

Zinc rich epoxy

A two component high solids, low VOC metallic zinc-rich epoxy primer formulated on proprietary polymer technology which provides rapid cure and overcoating even under low temperature conditions. Interzinc® 315 uses zinc dust conforming to the requirements of ASTM D520 Type II as a minimum standard.

- Low VOC
- High volume solids
- Fast recoat, can ensure rapid job completion resulting in cost savings
- Rapid handling, allows a full system to be applied in one day
- Low temperature cure reduces need for heating to obtain recoat and handling
- Excellent atomization gives an even spray allowing uniform application
- Class B slip and creep coefficient, suitable for use on bolted connections
- High zinc load to give excellent corrosion protection



Interzinc 315 is a low VOC, high solids, zinc epoxy that combines excellent application characteristics with rapid handling and recoat, even down to temperatures below 0°C (32°F). These features make Interzinc 315 an ideal coating for application in the fabrication shop, allowing rapid throughput of steel combined with the benefits of reduced solvent emissions. For example, the emission from 1,000 tons of steel can be estimated as:

VOC above 410 g/l (3.5 lb/gal)	181kg (+400 lb)
VOC at 410 g/l (3.5 lb/gal)	approx 154kg (340 lb)
Interzinc 315	approx 122kg (270 lb)

The material demonstrates excellent corrosion protection and has been used on millions of square feet on structures ranging from offshore, bridges, pulp and paper, mining structures and many more.

Test data

TEST TYPE	TEST METHOD	RESULTS
Mandrel bend test	ASTM D522	5.1% elongation
Pencil hardness	ASTM D3363	7 days cure: H
Tape adhesion	ISO 2409	ISO 2409: Classification 2
Adhesion to steel*	ISO 4624	Brushed: 8.1 MPa (1,174 psi) (100% cohesive failure) Sprayed: 6.5 MPa (942 psi) (90% cohesive failure)
Direct impact	ASTM D2794	16.29 in/lbs (1.84 Joules)

Typical dry film thickness 50-75µm (2-3 mils)

The above performance data has been compiled based on present experience of in-service product performance and upon performance data obtained under laboratory test conditions. Actual performance of the product will depend upon the conditions in which the product is used.

* P.A.T. used

Product characteristics

Color	Blue, Grey		
Volume solids	69%		
Film thickness	50-75µm (2-3 mils) dry equivalent to 72-109µm (2.9-4.4 mils) wet		
Dry time	Touch	Min Recoat	
	5°C (41°F)	30 min	4 hours
	15°C (59°F)	20 min	3 hours
	25°C (77°F)	15 min	2 hours
VOC	40°C (104°F)	10 min	1 hour
	2.79 lb/gal (335 g/l) 103 g/kg	EPA Method 24 EU Solvent Emissions Directive (Council Directive 1999/13/EC)	

