

Intergard 345

Fast drying direct to metal epoxy

Intergard® 345 gives you excellent anti-corrosive performance with rapid drying time.

The result? A reduction in the number of coats and faster steel throughput giving better productivity without compromising on performance.

- High solids versatile epoxy
- High build rapid one coat
- Suitable for use as an epoxy intermediate, primer or finish
- Anti-corrosive primer for two coat systems
- Fast drying, ideally suited for rapid steel throughput
- Early abrasion resistance assists rapid handling properties
- Suitable for moderately corrosive (C3) environments when used as a single coat
- Protection against chemical fume and spillage
- Semi gloss
- Extensive colour range from the Chromascan® remote tinting system
- HAPS free version available for US market



Suitable for use as a one or two coat new construction primer/finish coating or as an intermediate over recommended anti-corrosive primers

Intergard® 345 provides a combination of anti-corrosive barrier protection, chemical fume and spillage resistance, along with good abrasion resistance. Ideal for use in moderately corrosive environments as a single coat where fast drying/rapid recoating is desired and in more aggressive environments as part of a system.

Typical structures

Intergard® 345 is typically specified on projects requiring a good quality high build epoxy primer finish in a variety of colours, for example interior steelwork, airport concourses, wind turbine interiors, processing equipment and cranes.*

Application performance

Intergard® 345 has been designed as a one coat primer finish and gives excellent high build application in one coat. Using one coat of Intergard® 345 at 150µm (6 mils) will give superior corrosion performance when compared to two or three coats of more traditional alkyds with the added benefit of faster coating times, lower wastage and reduced VOC emissions. Its versatility also allows its use as part of a two or three coat system.*

The rapid drying and excellent early abrasion resistance make the product particularly suitable for use when high throughput of steel is required.

Color

A full range of colours is available, even in small batches via the AkzoNobel Chromascan® system.

Test data

TEST TYPE	REFERENCE	DETAILS	RESULTS
Condensation	ASTM D4585	1 x 125µm (5 mils) dft applied directly to Sa2 ^{1/2} (SSPC-SP6) blasted steel	No film defects following 3180 hours exposure
Cyclic corrosion	ASTM D5894	1 x 125µm (5 mils) dft applied directly to Sa2 ^{1/2} (SSPC-SP6) blasted steel	No blistering, rusting, cracking etc and typically <3mm rust creep at the scribe following >4000 hours exposure
Salt spray	ASTM G85	1 x 125µm (5 mils) dft applied directly to Sa2 ^{1/2} (SSPC-SP6) blasted steel	No blistering, rusting, cracking etc and typically <5mm rust creep at the scribe following >3000 hours exposure
Salt spray	ASTM B117	1 x 125µm (5 mils) dft applied directly to Sa2 ^{1/2} (SSPC-SP6) blasted steel	No blistering, rusting, cracking etc and typically <2mm rust creep at the scribe following 1500 hours exposure

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.

* Consult with your local representative for the latest list of suitable zinc primers and finishes. Intergard® 345 contains epoxy and is prone to chalk if exposed to any sunlight.

Technical information

Color	Full color range		
Volume solids	70%		
Film thickness	100 - 150µm (4 - 6 mils) dry		
Mix ratio	4:1 by volume		
Temperature	Touch dry	Hard dry	Min. recoat
10°C (50°F)	90 mins	7 hours	7 hours
15°C (59°F)	75 mins	5 hours	5 hours
25°C (77°F)	60 mins	2 ^{1/2} hours	2 ^{1/2} hours
40°C (104°F)	30 mins	1 hour	1 hour
VOC	235 g/kg EU Solvent Emissions Directive (Council Directive 1999/13/EC) 2.67 lb/gal USA - EPA Method 24		

Asset protection

Intergard® 345 offers a cost effective solution to corrosion protection of steel structures. It exhibits good abrasion, chemical fume and spillage resistance, along with good anti-corrosive barrier protection.

The product may also be used in more aggressive corrosion environments as part of a two or even three coat system. Its excellent self overcoating properties and compatibility with AkzoNobel's International® range of primers and finishes makes Intergard® 345 a truly versatile coating*.

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