



Steelguard 2450

Thin Film Intumescent mastic

Product Data/ Application Instructions

- **EPA compliant (1998)**
- **Up to 2 mm dry film thickness per coat**
- **Rapid job completion**

Typical Uses

Intumescent mastic for on site repair of Steelguard intumescent coatings.

Surface Preparation

Where Steelguard intumescent has been applied directly to blast cleaned steel, any areas of breakdown should be abrasive blast cleaned to ISO 8501-1, Sa 2½. Where this is not practical manually clean to ISO 8501-1 St2 minimum.

Steelguard 2450 must be applied before degradation of the surface takes place. Where a primer has been used any areas of breakdown should be repaired in accordance with the original specification using a primer approved by Ameron. If Steelguard 2450 is applied over other manufacturers primers, compatibility must be checked with your Ameron representative prior to application

Physical Data

Appearance when dry	matt	
Colour:.....	white	
Components	1	
Curing mechanism	Solvent release	
Volume solids	72 ± 2%	
VOC	275 g/l	
Film thickness (in mm)	dry	wet
	0.4	0.56
	0.6	0.8
	0.8	1.11
	1.0	1.39
	1.5	2.08
	2.0	2.78
Theoretical coverage	0.72 m ² /l at 1mm dft	
Specific gravity	1.35 kg/l	
Flashpoint		
(closed cup)	°C	°F
Steelguard 2450	26	79
Amercoat 65	24	75

Steelguard 2450

Mixing

Stir thoroughly before use until the product is uniform throughout.

Overcoating

Normally overcoated with Steelguard 2458 in accordance with the following table.

Dry film thickness of Steelguard 2450 (mm)	Overcoating times (20°C/68°F)	
	Minimum	Maximum
up to 0.5	24 hours	
0.5 – 1.0	2 days	
1.0 – 1.5	4 days	
1.5 – 2.0	7 days	

Note: Steelguard 2450 can be left for an unlimited period before application of Steelguard 2458. During this period however Steelguard 2450 must be protected from pooling water, humid environments and immersed conditions.

Before using the product, read the label on the can and consult the material safety data sheet.

Application Data

Substrate steel
Application methods trowel, knife or spatula
Potlife (at 20°C/68°F) not applicable

Environmental Conditions

Relative humidity: up to 90%
Surface temperature: minimum: 5°C/41°F
..... maximum: 30°C/68°F

The surface temperature must also be at least 3°C/5°F above dew point.

Drying Characteristics

As an approximate guide, a 2 mm wet film at 20°C/68°F will be touch dry in 2 hours, handle dry in 48 hours and fully cured in 7 days. However, drying time will vary considerably with the thickness applied and ambient conditions.

Thinner normally not necessary
Cleaner Amercoat 65

Steelguard 2450

Application Methods

Apply by trowel, knife or spatula. The coating should be applied slightly proud of the surrounding area to allow for shrinkage on drying.

Shipping Data

Pack size	2.5 litres
Shipping weight	approx. 5 kg
Shelf life	1 year when stored indoors in unopened, original containers at 5 to 35°C (41 to 95°F).

Steelguard 2450

Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods.

Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-conforming products. Any claim under this warranty must be made by Buyer to Ameron in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Ameron of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

Ameron makes no other warranties concerning the product. No other warranties, whether express, implied or statutory, such as warranties of merchantability or fitness particular purpose, shall apply. In no event shall Ameron be liable for consequential or incidental damages.

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In no event shall Ameron be liable for consequential or incidental damages.

Due to Ameron's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the Ameron Performance Coatings & Finishes website at www.amerondirect.co.uk

To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

Condition of Sale

All our transactions are subject to our Terms and Conditions of Sale.