

Product Data

- **A high solids alkyd resin based protective coating**
- **Easily applied by brush, roller or spray**
- **Excellent maintenance coating, compatible with a wide range of primers and existing coatings**

Typical Uses

Alkyd topcoat over correctly primed steel surfaces, exposed to weathering and moderate industrial and marine surfaces. Not suitable for exposure in strong alkaline conditions.

Recommended Systems

One or two coats of Amercoat 5405 at 35 to 50 µm, over one coat of Amercoat 5105 primer at 50 µm for the protection of structural steel, exterior of storage tanks, etc. in moderate industrial atmospheres. Other suitable primers may also be used. When applied over zinc silicate primers, use Amercoat 71(TC) as a tiecoat. One coat of Amercoat 5405 at 50 µm is normally suitable as a decorative finish coat over 50 µm Amercoat 5105 on interior steel surfaces.

Resistance Guide

Amercoat 5405 has excellent weather resistance in moderate industrial and marine environments when applied over correctly primed surfaces. Amercoat 5405 has a moderate chemical resistance, but is not suitable for exposure in strong alkaline conditions. Amercoat 5405 resists normal handling and service conditions when cured.

Application Data Summary

For complete information on procedures, equipment and safety precautions, see application instructions.

Like all high performance coatings, Amercoat 5405 must be applied as recommended to obtain the maximum protection for which this coating is formulated.

SURFACE PREPARATION - Refer to application instruction for Amercoat 5405 as well as application instructions for primer and intermediate coat(s).

Physical Data

Finish	gloss
Colour	RAL and BS colours *
Substrate	properly primed steel
Components	1
Curing mechanism	solvent release and reaction with oxygen from the air
Volume solids	56% (ASTM D2697, modified)**
VOC	28% by weight / 358 g/l
Dry film thickness	35 - 50 µm per coat***
Number of coats	1 - 2
Calculated coverage	23.2 m ² /l at 35 µm 11.6 m ² /l at 50 µm
Allow for application losses, surface irregularities, etc.	
Application methods	airless or conventional spray
Drying times (at 50 µm dft and 20°C)	
dry to touch	2 hours
dry to handle	12 hours
Specific gravity	1.20 kg/l (white)
Thinner/cleaner	Amercoat 15
Flash points (Closed Cup)	
Amercoat 5405	40°C
Amercoat 15	38°C
Packaging	20 l
Shipping weight	approx. 27 kg
Shelf life	2 years from shipment date when stored indoors in unopened, original containers at 5 to 40°C.

* Uniform appearance may require two coats, using white as a first coat, when used in a less hiding colour over contrasting primers or intermediate coats. Use a white primer or intermediate coat when only one finish coat in a less hiding colour is specified.

** Volume solids is measured in accordance with ASTM D2697, modified. Slight variations ±3% may occur due to colour and testing variances.

***Amercoat 5405 aluminium has a recommended dry film thickness of 25 µm.

Safety

Since improper use and handling can be hazardous to health and cause fire or explosion, safety precautions included with application instructions must be observed during all storage, handling, use and drying periods. 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.

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 to this warranty or credit to Buyer's account in the invoiced amount of the nonconforming 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 nonconformance as required herein shall bar Buyer from recovery under this warranty.

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