



Amercoat 59TW

Zinc Treatment

Product Data/ Application Instructions

- Chemical treatment for galvanised or zinc surfaces
- Improves adhesion of coating systems
- Produces an etched surface on galvanised steel or zinc surfaces
- BBA HAPAS approved

Typical Uses

Amercoat 59TW Zinc Treatment can be used on zinc and galvanised substrates like handrailings, pipings, gratings, structural steel and roof plates.

Proper application of Amercoat 59TW produces an etched surface that improves coating adhesion for protective coatings. Amercoat 59TW can be used as a pretreatment for PPG epoxy primers.

Approvals

Amercoat 59TW is approved and registered to BBA HAPAS Roads and Bridges Certificate Reference 05/H116 (Highways Agency specification item 155) and Network Rail RT98 specification item 5.13.11.

Physical Data

Components 1

Specific gravity 1.0 kg/l

Number of coats 1

Calculated coverage 25-30 m²/l

Flash point (Closed Cup) 32°C/90°F

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Surface Preparation

Amercoat 59TW is used as a treatment of zinc or galvanised substrates prior to application of a protective coating. Before applying Amercoat 59TW, remove all oil, grease and other foreign matter from the surface by using Amercoat 57 oil cleaner or other degreasing materials. Amercoat 59TW will not penetrate oil or greasy residues.

Application Instructions

To obtain the maximum performance for which this product is formulated, strict adherence to all application instructions, precautions, conditions and limitations is necessary. If conditions exist that are not within the requirements or limitations described, consult your PPG representative.

Application Data

Substrate galvanised steel or zinc

Application methods brush, roller, spray or dipping

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Application Procedure

Amercoat 59TW is packaged as 10 l in a 10 l jerrycan.

1. This product is preferably used by dipping, but may also be applied by brush, roller or spray. The surface should be thoroughly wetted and kept wet for the total treatment period.
2. Product reacts with the zinc or galvanising, which will result in a colour change from the metallic zinc to a dark grey appearance. Reaction takes, at normally ambient temperatures, 2 to 3 minutes but lower temperatures will lengthen reaction time. If the surface does not change in appearance, adding more product may be required.
3. Allow the product remain in the surface for up to maximum 15 minutes, in order to fully complete the reaction. The surface should be wet during this entire period. Immediately after this treatment, wash the entire surface vigorously with clean water, to remove acid remains.
4. Allow the surface to dry thoroughly before application of any coating materials. Any white deposits that are formed due to long exposure, or an improper wash, should be removed, using additional water wash combined with a stiff brush.
5. Apply the protective coating in accordance with the application instructions for the particular coating to be used.

Shipping Data

Packaging 10 l in 10 l jerrycan

Shipping weight approx. 11 kg

Shelf life 1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C (41-104°F)

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Caution

This product may cause burns to skin and eyes. Avoid contact with skin, eyes and clothing. Do not take internally. When handling, wear rubber gloves and goggles or face shield. In case of contact, immediately flush skin with plenty of water. For eyes: flush with plenty of water for at least 15 minutes and get medical attention.

For specific information on hazardous ingredients, required ventilation, possible consequences of contact, exposure and safety measures see Safety Data Sheet

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

PPG warrants its products to be free from defects in material and workmanship. PPG's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at PPG'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 PPG 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 PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

PPG 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 PPG be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by PPG, whether in its technical literature, or response to specific enquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyer's having requisite skill and know-how in the industry, and therefore it is Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

PPG's liability on any claim of any kind, including claims based upon PPG's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall PPG be liable for consequential or incidental damages.

Due to PPG'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 PPG Protective & Marine Coatings website at www.ppgpmc.com

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.