



# 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**

### 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 Ameron epoxy primers.

### 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 Ameron representative.

**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 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.

### Physical Data

|                                |   |
|--------------------------------|---|
| Substrate .....                | galvanised steel or zinc  |
| Components .....               | 1   |
| Number of coats .....          | 1   |
| Calculated coverage .....      | 25-30 m <sup>2</sup> /l   |
| Application methods .....      | brush, roller, spray or dipping   |
| Specific gravity .....         | 1.0 kg/l  |
| Flash point (Closed Cup) ..... | 32°C  |
| Packaging .....                | 10 l in 10 l jerrycan   |
| Shipping weight .....          | approx. 11 kg   |
| Shelf life .....               | 2 years from shipment date when stored indoors in unopened, original containers at 5 to 40°C. |

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.

### 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 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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Any recommendation or suggestion relating to the use of the products made by Ameron, 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.

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