



PCMN GALVANISED IRON CLEANER

ETCH SOLUTION

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION A phosphoric acid based mordant solution for treating galvanised steel.

INTENDED USES For the chemical pretreatment of galvanised steel prior to the application of protective coating systems, in order to ensure good adhesion where blasting or abrasion is not possible

PRODUCT INFORMATION	Colour	Pale Blue
	Product Code	1019/5Lt
	Volume Solids	Not applicable
	Typical Thickness	Not applicable
	Practical Coverage	Aim to apply at a rate of 20 m ² /litre
	Method of Application:	Brush

Drying Time

Overcoating Interval with recommended topcoats

Temperature	Touch Dry	Hard Dry	<i>Minimum</i>	<i>Maximum</i>
25°C (77°F)			2 hours	2 days
40°C (104°F)			30 minutes	2 days

*Touch dry and hard dry information is not applicable for Galvanised Iron Cleaner

SURFACE PREPARATION All surfaces to be coated should be clean, dry and free from contamination. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning. The surface should be washed to remove any traces of soluble zinc salts and allowed to dry before application of PCMN Galvanised Iron Cleaner

APPLICATION

Mixing	Shake or Stir	Apply at a rate of 20m ² /litre
Brush	Recommended.	
Thinner	Clean Water	



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**Cleaner
Caution**

Clean Water
Do not apply with steel or wire brush

PRODUCT CHARACTERISTICS

PCMN Galvanised Iron Cleaner is only recommended for etching galvanised surfaces. It is not suitable for the pretreatment of other non-ferrous metals such as Aluminium.

This product contains phosphoric acid. Before commencing application, reference should be made to the material safety data sheet (MSDS), and the appropriate personal protective equipment should be worn, e.g. gloves, goggles, face-mask etc.

Apply to a suitably prepared, clean galvanised surface and then allow to dry. The mordant solution will gradually react and the blue colour will change with the surface blackening. This should finally achieve a uniform dark grey colour. If this does not occur due to the presence of oils, grease, flux or passivation of the surface then this area will require abrasion and a second coat of PCMN Galvanised Iron Cleaner.

Over-application will produce a dense black powdery layer which is not suitable for the application of subsequent topcoats. This will require either abrading or washing with fresh water to remove excess acid or powdery deposits, otherwise blistering and/or adhesion loss of topcoats can occur.

Work Stoppages

All unused materials that have not been mixed should be stored in tightly closed containers.

HAZARD IDENTIFICATION

Main Hazard

Flammable, Harmful by inhalation and in contact with skin.

HANDLING AND STORAGE

Handling Requirements

Ensure there is sufficient ventilation of the area.
DO NOT handle in confined space
Avoid the formation or the spread of mist in the air.
Smoking is forbidden.
Use non-sparking tools.

Storage Conditions

Store in a cool, well-ventilated area.
Keep container tightly closed.
Prevent the buildup of electrostatic charge in the immediate area.
Ensure lighting and electrical equipment is not a source of ignition.

Suitable Packaging

Must be kept in its original package only.



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SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS).

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

DISPOSAL CONSIDERATION

Disposal of packaging

Arrange for collection by specialized disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Company Disclaimer: The information contained in the technical data sheet is believed to be accurate and true at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein, however we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and liability (if any) resulting from its use is limited to replacement of the product.

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