

Zinc rich cold galvanising coating

Uses

To provide a galvanic protection on iron and steel. It can be used as a self-finish or as a durable rust inhibiting primer beneath selected top coats. It is recommended for the protection of structural steelwork, agricultural and construction plant and machinery, gates, railings, iron pipework and guttering, and the rust prevention of in-situ welding work.

Advantages

- Protects ferrous metals against rust
- Suitable as a primer or self-finish
- Easily applied by brush or roller

Description


Galvafruid zinc rich coating is formulated as an easily applied, cold galvanising protection against corrosion on all ferrous metals. Galvafruid has a mid-grey, matt finish.

Properties

Volume solids:	40%
Solids by weight:	80%
Zinc content by volume on dry film:	61%
Zinc content by weight on dry film:	90%
Drying times at 20°C —	
touch dry:	2 hours
hard dry:	24 hours
recoating time:	24 hours minimum

Specification clause

The anti-corrosive primer shall be Galvafruid, a zinc rich material specifically designed to provide a rust inhibiting protection to ferrous metalwork.

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Galvafruid	
EN 1504-7 Surface Protection Systems (C)	
Corrosion protection	Pass
Dangerous substances	None above acceptable levels (REACH Annex XVII / ECHA Candidate List)

Application instructions

Preparation

All ferrous surfaces must be clean and free from oil, grease, mill scale, rust and existing coatings. This is best achieved by grit blasting, although thorough wire brushing can be sufficient. Some rust removers based on phosphoric acid tend to leave an electrically insulating film on ferrous metals and must not be used.

Mixing

Galvafruid must be thoroughly stirred to give a uniform product prior to application. It is recommended that the contents are stirred periodically during application to avoid settlement.

Galvafruid is supplied at the correct consistency for direct application from the tin but, should it be found necessary to thin, only Fosroc Thinner/Cleaner should be added, at a rate not exceeding 1 litre of thinners to 8 litres of Galvafruid.

Application

In order to obtain the protective properties of Galvafruid, it is important that the correct rate of application is achieved. The minimum application temperature is 5°C.

All prepared surfaces should be treated with one or more coats of Galvafruid. The material should be liberally applied without any attempt to brush or roll out. The required thickness of coating may be built up by successive applications of Galvafruid when the previous coat is completely dry.

Fosroc® Galvafruid

Overcoating

Where required, Galvafruid may be painted to improve durability or to enhance appearance. The Galvafruid coating should not be rubbed down to obtain a smooth surface for finishing paints.

For general purposes, a good oil bound or alkyd paint should be used. Dekguard W can be used to provide a decorative finish to Galvafruid; a 2-coat application is recommended. Where the work is subject to corrosive and marine conditions, however, a non-saponifiable finishing paint should be used, i.e. Chlorinated rubber paint. It is advisable to allow the Galvafruid coating to weather for at least 3 days before applying the finishing coat. Cellulose and bituminous paints are not generally suitable for over-painting Galvafruid.

Cleaning

Galvafruid should be removed from tools and equipment with Fosroc Thinner/Cleaner immediately after use. Dried material can only be removed mechanically.

Estimating

Supply

Galvafruid:	Pack of 6 x 400 ml tins Pack of 4 x 800 ml tins 1.9 litre tin
Fosroc Thinner/Cleaner:	0.5 litre tins

Coverage

Galvafruid:	
When used as a primer	16 m ² /litre
When used as a self-finish	8 m ² /litre

Limitations

Galvafruid is formulated for application to clean ferrous substrates and should not be used on rusty, corroded surfaces.

Galvafruid should not be applied over existing coatings.

Galvafruid should not be used on surfaces in contact with drinking water.

Galvafruid should not be used on surfaces exposed to soft water at temperatures above 60°C.

Galvafruid should not be used on surfaces treated with phosphoric acid based rust removers.

Galvafruid should not be overcoated with materials containing strong solvents such as chlorinated and aromatic hydrocarbons, esters and ethers.

Storage

Galvafruid and Dekguard W have a shelf life of 12 months if kept in a dry store between 5°C and 20°C in the original, unopened container.

Precautions

Health and safety

For further information refer to appropriate Product Safety Data Sheet.

Fire

Galvafruid and Fosroc Thinner/Cleaner are flammable. Keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO₂ or foam. Do not use a water jet.

Flash points

Galvafruid:	41°C
Fosroc Thinner/Cleaner:	41°C

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Important note

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