

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
- Prevents rust creep
- 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.

Technical support

Fosroc offers a comprehensive range of high performance, high quality repair, maintenance and construction products. In addition, Fosroc offers a technical support service to specifiers, end-users and contractors as well as on-site technical assistance.

Design criteria

Galvafruid should be applied in two coats when employed as a self-finish and one coat when used as a primer. To achieve the correct protection, Galvafruid must be applied on the substrate at the coverage rate recommended.

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.

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.

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, but it should be given a generous coat of a suitable filling primer and this, when thoroughly dry, should be sanded to a smooth surface. For general purposes, a good oil bound or alkyd paint should be used. 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.

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.



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Important note

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Estimating

Supply

Galvafruid:	Pack of 6 x 200 ml tins Pack of 6 x 400 ml tins Pack of 4 x 800 ml tins 1.9 litre tin
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Fosroc Thinner/Cleaner:	0.5 litre tins
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Coverage

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

Galvafruid has 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

Galvafruid and Fosroc Thinner/Cleaner should not come in contact with the skin and eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Some people are sensitive to resins, hardeners and solvents. Wear suitable gloves and eye protection. If working in a confined area, suitable respiratory protective equipment must be used. The use of barrier creams provides additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately — do not induce vomiting.

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
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Fosroc Thinner/Cleaner:	41°C
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For further information, refer to the Product Safety Data Sheet.

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