

## 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, rust prevention of in-situ welding work and may also be used as a rebar primer.

### Advantages

- Protects ferrous metals
- 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 recommended.

### Properties

<b>Pigment volume concentration</b>	: 75 to 80%
<b>Flexibility (BS4652:1971)</b>	: No cracking, flaking or detachment from substrate was observed
<b>Zinc content by volume on dry film</b>	: 61%
<b>Zinc content by weight on dry film</b>	: 90%

<b>Drying time (BS 4652:1971)</b>	: <1 Hour
<b>Recoating time</b>	: 24 hours minimum
<b>Salt spray test (BS 4652: 1971)</b>	: No sign of blistering or discolouration on the surface after 10 hours exposure
<b>Resistance to Impact (BS 4652: 1971)</b>	: No damage was sustained under impact

### Specification

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

### Instructions for use

#### 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 Galvafruid Thinner should be added, at a rate not exceeding 1 litre of thinner 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.

<b>Number of coats</b>	: 1 or 2
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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

Although usable as a self-finish, it is recommended that Galvafruid be overcoated to protect from mechanical damage and chemical attack outside pH 5-9.

It is recommended that the Galvafruid coating be allowed to weather for at least 3 days before proceeding. Overcoating should take place with a non-saponifiable material, such as a solvent-based acrylic or chlorinated rubber material. Cellulose, bituminous, alkyd and water-based coatings are not suitable.

## Cleaning

Galvafruid should be removed from tools and equipment with Galvafruid Thinner 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 or surfaces treated with phosphoric acid based rust removers.
- Galvafruid should not be used on surfaces in contact with drinking water or exposed to soft water at temperatures above 60°C.
- Galvafruid should not be overcoated with materials containing strong solvents such as chlorinated and aromatic hydrocarbons, esters and ethers.

## 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.

## Estimating

### Supply

<b>Galvafruid</b>	:	1.9 litre tins
<b>Galvafruid Thinner</b>	:	0.5 litre tins

### Coverage

<b>Galvafruid</b>	:	16 m <sup>2</sup> /litre as primer
		8 m <sup>2</sup> /litre as self-finish

## Precautions

### Health and safety

Galvafruid and Galvafruid Thinner 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 Galvafruid Thinner are flammable. Keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO<sub>2</sub> or foam. Do not use a water jet.

### Flash points

<b>Galvafruid</b>	:	41°C
<b>Galvafruid Thinner</b>	:	41°C

For further information, refer to the Product Safety Data Sheet.

\* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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## Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.**

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