

ZED S94

Anti-Corrosive Metal Primer

Description

ZED S94 is a single-component, anti-corrosive air-drying metal primer. A hand application grade is supplied as standard. It can also be applied by spray with the addition of Solvent No. 5. Contact Technical Services for more information.

Uses

ZED S94 is used on steel (including galvanised steel) and other metallic surfaces to enhance the bond between GCP's ESSELAC[®] resin based systems and the metal substrate.

Approved for use with the Eliminator bridge deck waterproofing membrane by:

- OTA – ETA No.15/0362, Liquid Applied Bridge Deck Waterproofing, ETAG 033
- British Board of Agreement (UK) – HAPAS Certificates No.11/H169, 11/H170, for Highways England road bridges

Technical Data

| PROPERTY | VALUE |
|-------------------------------|---------------|
| Application Temperature Range | -10 to +40 °C |
| Typical Overcoating Time | |
| 20 °C | 30 minutes |
| 10 °C | 1 hour |
| 0 °C | 3 hour |
| -10 °C | 7.5 hours |

Surface Preparation

All surface coating systems are dependent on the quality of surface preparation.

Steel

On steel surfaces all rust, dirt and contamination should be removed to expose bright metal to achieve a surface finish to comply with Swedish standard Sa 2.5. Prior to any blast cleaning the surface must be thoroughly degreased. Amplitude of the surface profile should not exceed 75 microns. Use non-reusable, non-metallic grit.

Mixing

Immediately before use, stir the primer resin thoroughly using a mechanical mixer, such as an air-driven drill (400 – 800 rpm) or intrinsically safe electric drill with mixing paddle.

To spray apply ZED S94 make the following additions of Solvent No. 5:

| ZED S94 SUPPLIED UNIT SIZE | SOLVENT NO.5 ADDITION REQUIRED |
|----------------------------|--------------------------------|
| 5kg | 1.25kg (1.4 litres) |
| 20kg | 5kg (5.8 litres) |
| 60kg | 15kg (17 litres) |
| 200kg | 50kg (58 litres) |

Application

Application should take place within three hours of grit blasting the substrate. The substrate must be clean and dry.

Apply evenly to the substrate by brush or roller. For spray application the product must be diluted. Ensure the necessary PPE is worn. The recommended spray equipment is a Graco 23:1 Monark airless spray pump with a ¼" spray line and a spray tip size between 0.025" (25 thou) and 0.035" (35 thou).

Do not allow the primer to 'pond' or 'pool'. If it is spray applied, any excess material should be removed with a dry roller to prevent ponding. One application of ZED S94 is usually sufficient. Overcoating with Eliminator or other products is recommended to take place as soon as possible in order to minimise the risk of contamination.

Coverage

- Hand Grade – 0.2kg/m²
- Diluted to spray – 0.25kg/m²

Cleaning

All tools and equipment should be cleaned with acetone before the material is allowed to cure.

Packaging & Storage

ZED S94 – 5kg, 20kg & 200kg packs.

All components of the ZED S94 system should be stored in cool, dry, protected conditions, out of direct sunlight and in accordance with the relevant site Health & Safety regulations. Storage temperature must not exceed 25 °C. Do not store near naked flames or foodstuffs.

Stored in unopened containers, under the correct conditions, the components have a minimum shelf life of twelve months. If your product is more than twelve months old you must contact GCP before use.

Health & Safety

Please refer to our safety datasheets for further information.

General Information

ZED S94 is part of a wide range of specialist waterproofing, surfacing and repair materials manufactured and supplied by GCP. If you require any further information on this or any other of our products, please contact our Customer Services Department or visit www.gcpat.com.



gcpat.hk | For technical information: asia.enq@gcpat.com

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