

Formfil

Two Part Formwork Repair Compound

Description

A pre-blended polyester resin paste, to which a small amount of reactive hardener catalyst is added, producing a rapid setting compound, highly resistant to impact, abrasion, oil, water and concrete alkalis. Specially formulated for the rectification of surface damage, defects and irregularities on all types of timber and metal formwork, and for the filling of small imperfections and cracks in concrete surfaces.

Advantages

- Easily & quickly mixed & applied
- Ideal for repairs, splits, holes, joints & poker burn
- Easy to sand, smooth or profile to the required finish
- Excellent adhesion to correctly prepared substrates
- For timber, ply, phenolic-coated ply, GRP & metal formwork
- Repair of minor defects in concrete
- Rapid setting; not affected by application of Nulease varnish

Technical Information

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| Mixing ratio | 40:1 by volume |
| Density | 1.7 kg per litre |
| Working temperature | 5 to 25°C (>25°C use Formfil Tropical) |
| Useable life | 5 minutes approx. @ 20°C |
| Fully cured | 12 minutes approx. @20°C |
| Stability | 12 months unopened tins |
| Flash point | 31°C (89°F) |
| Adhesion to steel | 8.5 MPa |
| Adhesion to timber | Timber failure |
| Hardness (Shore D) | 80 |

Surface Preparation

Remove all paint, grease, oil, rust and loose particles, ensuring that the surface is clean and dry. Prepare surfaces by deep scoring or drill small holes to ensure good adhesion. On corners or edges these should be pinned before applying Formfil.

Mixing

As a general guide use a 25mm strip of hardener with a golf ball sized portion of paste. It is essential to mix vigorously by gloved-hand on a spot-board, ensuring the hardener is thoroughly blended in. Working times can be varied by using more or less hardener as required. Replace tin lids firmly between uses.

Application Instructions

Once mixed the Formfil should be pressed firmly into place but the surface should be left proud to allow for sanding. Sanding, drilling or machining can take place after a minimum of 15 minutes. At low temperatures a longer curing period should be allowed.

If Formfil is being used on new timber formwork; after it has fully cured we recommend that Nulease formwork coating be applied. This is to standardise the finish and provide a hard wearing blemish free surface. Nulease and Formfil are compatible products.

Cleaning

Tools and equipment should be cleaned with Nuwash immediately after use, before the Formfil hardens.

Packaging

Formfil is available in 7kg (3.92 litre) & 1.5 kg (0.84 litre) units.

Nuwash is available in 5 & 20 litre drums.



Storage

Formfil Base is flammable, due precautions should be made when handling and storing this material.

The shelf life is 12 months when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost.

Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Limitations

For use below 5°C consult Nufins Technical Department.

Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical contacts are available to provide further information and arrange demonstrations.