



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

## Formfil Data Sheet

### Specification notes

Product: **Formfil**

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...for technical, specification & application advice;

or

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## Formfil

### Formwork Repair Paste

#### Description

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

#### Advantages

- Easily and quickly mixed and applied.
- Ideal for large and small repairs, splits, holes, joints and poker burn
- Easily sanded, smoothed or profiled to the required finish.
- Excellent adhesion to correctly prepared substrates.
- Suitable for timber, plywood, phenolic coated ply, GRP and metal concrete moulds.
- Rapid setting, will not be affected by the application of Nulease Formwork Coatings.

#### Surface Preparation

Remove all paint, grease, oil (using Desolve), rust and all loose materials, ensuring that the surface is clean and dry. Roughen surfaces by deep scoring or drill small holes to give a good 'key'. On corners or edges these should be pinned before applying Formfil.

#### Mixing

Place a quantity of the Resin Paste on a suitable flat board forming a ball of material approximately the size of a golf ball. Squeeze out a strip of hardener approximately 25mm (1") long and mix thoroughly with a putty knife or suitable tool until a smooth even coloured paste is obtained.

#### Technical Information

Mixing Ratio	40:1 by volume
Density	1.7kg per litre
Working Temp	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	8.5MPa
Adhesion to Timber	Timber Failure
Hardness	80 Shore 'D'

#### Application Instructions

Once mixed the Formfil should be pressed firmly into place but the surface should be left proud to allow for sanding. After approximately 15 minutes cure, sanding, drilling or machining can take place. In colder weather a longer curing period should be allowed.

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

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.



## Packaging

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

## Storage

Formfil is highly inflammable, flash point 31°C (89°F), and due precautions should be taken when handling and storing this material. Shelf life is 12 months when stored in a cool place in unopened tins. Store away from foodstuffs and out the reach of children.

## Limitations

For use below 5°C consult Nufins Technical Department.

## Health & Safety

Do not smoke. Do not use near naked flames. When sanding Formfil a suitable dusk mask should be worn. Formfil, like similar products, is capable of irritating unprotected sensitive skin, we therefore recommend the use of gloves and barrier cream. The hardener is an organic peroxide, a powerful oxidising agent, due precautions should be taken when handling and storing.

## Technical Support

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

