

SHUTTAFILL

Resin based, flexible formwork repair kit for damaged formwork- *phenolic grade*

DESCRIPTION

Shuttafill is a two part polyester based filler consisting of a dark brown coloured paste and reactive hardener specially developed to repair damage on Formwork Panels and shuttering.

When mixed together, applied and allowed to cure will form a strong hard mass which can be sanded and profiled to requirements.

It offers good abrasion resistance and durability. It is most suitable for use on Phenolic Coated Ply Forms, as the final colour is very sympathetic to most Phenolic boards available in the UK, allowing near "invisible" repairs to be carried out. It can also be used on any type of Timber, Metal, or Fibre Glass Formwork and for any general wood repairs.

ADVANTAGES

- **USER FRIENDLY:** Materials are pre-packaged and only require mixing together. No special primers are necessary.
- **COLOUR MATCH:** Final colour is sympathetic to most Phenolic boards
- **RAPID SETTING:** Rapid Setting - 6 minutes @ 20°C Fully cured in 30 minutes @ 20°C
- **FINISHING:** Excellent finishing and feather edging characteristics.
- **LOW SHRINKAGE:** Maintains high bond strength to substrate and ensures good performance of the repair.
- **WATERPROOF:** Oil and water resistant when cured.

PROPERTIES

Mixing ratio W/W:-	100 parts paste : 2 parts Hardener
Mixed density:-	1.70g/cm ³
Working Life :-	6 minutes at 20°C
Cure Time:-	30 minutes at 20°C
Shore D Hardness:-	> 70
Tensile shear adhesion:-	5.5 N/mm ² (AL to AL)
Compressive strength:-	46.0 N/mm ² (ASTM D695-)
Tensile Strength:-	13.2N/mm ² (ASTM D638)
Elastic Modulus:-	13228 N/mm ²
Flexural Strength:-	30.12 N/mm ² (ASTM D790)
Flexural Modulus:-	5896 N/mm ²

Norsekem Limited

Unit 6c, Stokes Farm, Binfield Road, Wokingham, Berkshire. RG40 5PR

Tel: 08454027663 Fax: 0845 4027662 Email: sales@norsekem.co.uk

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PREPARATION

To achieve the maximum performance it is essential that all substrates are sound, clean, dry and free from surface contaminants such as oil, grease, sawdust and loose particles. On metal substrates remove all existing coatings, corrosion products and general grime by mechanically abrading, shot blasting or wire brushing back to white metal. Cracks or splits should be opened up and "v"ed to ensure total penetration. Areas contaminated with oil or grease require solvent degreasing by either immersion or wiping with a lint free cloth damped with the solvent system.

MIXING

Mix only sufficient for immediate requirements. Place an amount of **Shuttafill** Paste (about the size of a golf ball) onto a non-porous board, then squeeze a small amount of hardener from the tube (about 1½" strip) next to the Paste. Mix the Paste and the hardener to thoroughly blend the two. Ensure that the material is scraped clear of the mixing board and spatula at least once to ensure complete mixing.

APPLICATION AND FINISHING

Apply with a plastic spatula or similar implement and contour the **Shuttafill** to the desired shape. Leave sufficiently proud of the surface to allow for sanding. Final sanding can be achieved 15-30 mins after setting. When fully cured, **Shuttafill** may be coated with most available wood finishes. It can also be machined, filed, shaped and drilled.

STORAGE & HANDLING

Avoid temperatures above 25°C, when stored correctly will remain at its best for at least 18 Months and is useable for up to 4 years. Store upright.

HEALTH & SAFETY

Refer to separate material safety data sheet. Copies available by request.

PACKAGING & TRANSPORT

Supplied in 7kg metal tins with carry handle and 4 x hardener tubes and a plastic spatula. 1.5kg tins are also available with 2 x hardener tubes and a plastic spatula. Store upright.

QUALITY ASSURANCE

Norsekem Limited Products are manufactured under quality assured schemes

Norsekem Limited products are guaranteed against defective materials and manufacture. Products are sold subject to the Norsekem Limited Terms and Conditions of Sale, copies of which are available on request. Norsekem Limited endeavors to ensure that the above data and any further advice is correct, Norsekem Limited can not accept liability for the use to which products are put or the way in which they are used. All recommendations stated by the company are made in good faith. Recommendations do not over-ride the basic obligation of the user to satisfy themselves at all times as to suitability of the product for their particular application.

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