



**PRODUCT NAME**  
TM3® MOULDING MORTAR  
2 Litre Pack (3422)

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**Product Description**

TM3® Moulding Mortar (TM3) is a 2-component putty like epoxy mortar specifically designed for timber repair work.

The product is a unique combination of carefully selected lightweight fillers contained in an epoxy matrix which is mixed with a corresponding filled curing agent.

Following mixing TM3 provides a lightweight easy to apply cosmetic putty for non-structural timber repairs

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**Uses**

TM3® Moulding Mortar is used for filling of voids and fissures in both hard and softwood timber.

TM3® Moulding Mortar can be simulated to appear as the parent timber section by using a combination of mechanical graining effects and a series of water based coloured stains, enabling repairs to blend with the original parent timber on items such as decayed window frames.

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**Advantages**

- Easy to mix and apply by hand
- May be sanded, drilled and sawn, also when cured will accept the insertion of wood screws
- Does not shrink
- Mouldable
- Cured TM3® Moulding Mortar is unaffected by timber treatment chemicals.

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**Product Data**

Appearance/Colours:

Base Part : yellow and Hardener Part: white

When mixed an appearance of dark pine softwood

**Colour stability depends upon the dyes used for specific applications. If in doubt consult our Technical Department.**

Packaging:

Supplied in 2.0 litre (1.6kg) modules containing 1 x Base, 1 x Hardener. Also supplied in box sets of 4 x 2lt packs (6.4kg) containing 4 x 2lt Base, 4 x 2lt Hardener.

Storage conditions:

Shelf life 24 months from date of production if stored properly in original unopened, sealed and undamaged packaging, in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight, Keep off cold floors and protect from frost

## Technical Data

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Density (when mixed): 0.8 kg/litre approx.

Service temperature: TM3<sup>®</sup> Moulding Mortar should be at a minimum ambient temperature of between 10 and 15°C. Before you mix the product, Below 10°C, mixing and cure time and application properties will be reduced.

Conversely in hot conditions (+30°C) the TM3<sup>®</sup> Moulding Mortar cure will be accelerated.

TM3<sup>®</sup> Moulding Mortar application temperature range is +5°C to + 30°C. Please contact our Technical Department for other ambient conditions.

Application thickness: This is usually 5-10 mm. Various methods of shuttering may be used to cast an infinite number of thicknesses in one application. Pre-waxing of any shutter surface ensures easy removal following TM3<sup>®</sup> Moulding Mortar cure.

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## Mechanical/Physical Properties

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### Compressive Strength

Cure time	+ 20 degrees C
7 days	3-4 N/mm <sup>2</sup>
14 days	4-5 N/mm <sup>2</sup>

Ambient temperature	Pot life/Workability of mixed product	Sanding Schedule	Full cure schedule
		For best sanding results leave product to cure for a minimum	
10 ° C	4 - 6 Hours	4 - 5 days	4 - 7 days
20 ° C	2 - 3 Hours	2 - 3 days	2 - 4 days
30 ° C	1 - 2 Hours	1 - 2 days	2 - 3 days

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## System Information

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### Application Details:

All surfaces must be clean, dry and free from any loosely adhering particles or contaminants such as freshly applied timber treatments, dirt, oil, dust, grease, etc.

Steel surfaces must be free of all contaminants including previous coatings and, ideally, grit blasted to SA2.5.

TM3<sup>®</sup> Moulding Mortar may be used for the repair of timber softwood joinery, in-situ window frames, and replacement of decayed timber, both hardwood and softwood.

When using TM3<sup>®</sup> Moulding Mortar with hardwood timbers it is preferable to pre-treat with Rotafix Consolidating Liquid (Code 3116) as a primer.

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## Application Instructions

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### Mixing:

Add the entire contents of the hardener container to the contents of the base container. Using a small mixing paddle (Code 3639) in conjunction with a low speed electric drill (max. 500 rpm) mix for at least one minute.

Alternatively, for larger volume repairs, empty the contents of both containers onto a clean polythene sheet and with the aid of gloved hands mix as described above until a homogeneous colour is attained.

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#### Part Mixes:

Use equal portions by volume from each of the containers of base and hardener and mix thoroughly with glove protected hands.

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#### Consumption/Dosage:

The volume contents are stated on the packs. As a guide a 2.0lt pack of mixed TM3 will fill a void of 50mm wide x 50mm deep by 800mm long or fill a split or shake 10mm wide x 40mm deep x 5m long.

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#### Application Method/Tools:

The mixed TM3<sup>®</sup> Moulding Mortar should be placed firmly into the cavity or aperture and consolidated either by hand or with a steel or wooden float. Ensure that the volume of material used is slightly in excess of that required to fill the hole. Final profiling is to be carried out after initial cure. A thickness of 50mm or more may be installed in one application. On larger areas the finished surface may be improved by patting or smoothing with a spatula or float which has been wetted with water containing a detergent.

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#### Cleaning of Tools:

All tools and application equipment can be cleaned with thinners or solvent wipes immediately after use. Hardened and or cured TM3<sup>®</sup> Moulding Mortar can only be removed by mechanical means.

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### **Health and Safety & Legal Information**

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TM3 Moulding Mortar<sup>®</sup> is a Registered Trade Mark of Rotafix (Northern) Ltd

The requirements for a Rotafix product(s) may be specific for an individual project.

Advice given by Rotafix can only be considered as part of the contract if it is provided in writing.

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