

# POLYRES MORTAR

Polyester Resin Mortar Compound

## PRODUCT DESCRIPTION

A two component system consisting of a blended liquid resin and catalised filler formulated to provide a rapidly developed high strength mortar. By varying the resin/filler ratio it will provide a mortar of either a trowellable, bedding or grouting consistency. Polyres Mortar has numerous uses including repairs to damaged concrete, masonry, stair nosings and pipe arrises, bedding-in base plates, fixing bolts, dowels and starter bars and a host of other uses.



## MIXING RATIOS

- To achieve the desired consistency the following resin/filler ratios are suggested.

	Resin	Filler
<b>Trowellable</b>	1 volume	5-6 volumes
<b>Bedding</b>	1 volume	2 ½ - 3 ½ volumes
<b>Grouting</b>	1 volume	1- 1½ volumes

## TYPICAL PROPERTIES

All mixes tested in temperate ambient temperature.

Setting time	20-45 minutes	
Density (Depending upon mix ratio)	1.98 -1.72	
Strengths minimum, (N/mm <sup>2</sup> )	2 hrs	24 hrs
Compressive	64	81
Tensile	12	15
Flexural strength	22	26

## SURFACE PREPARATION

- Surfaces should be clean, touch-dry, sound and free from laitance, dust and any contamination.

## MIXING & PLACING

- Pour the required quantity of resin into a suitable mixing vessel then add the filler slowly, mixing whilst adding, and continue until the desired and uniform consistency is achieved.
- Avoid wastage by not mixing more material than can be placed well within the setting time of the mixed material.
- On low or non-absorbent substrates bond will be improved by making the mix slightly resin-rich.
- Place material immediately after completion of mixing using trowel to press material well onto surface, finishing with a steel float as required.
- For grouting mix the material in a vessel with a pouring lip and pour the material avoiding overspill.

## MIXING & PLACING

- Clean with Polyres Cleaner immediately after use.
- Do not allow material to set hard on equipment before cleaning.

## STORAGE

- Keep all containers sealed when not in use and protect from damp and heat.
- Stored under correct conditions the catalised filler will have an indefinite shelf life and Resin will have a shelf life in excess of one year.

## HEALTH & SAFETY

Resin is inflammable with a flash point of 32°C. Do not permit smoking or naked flame and maintain adequate ventilation in the vicinity of the working area. Avoid contact with skin and eyes by use of protective clothing and goggles. If skin contact should occur, remove material with paper towel, apply a resin removing cream and wash with soap and water. Never use solvents for cleaning skin as it will have a de-fatting effect. If contact with eyes should occur irrigate immediately with copious quantities of clean water and seek medical attention without delay.

## IMPORTANT NOTICE

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable, and that in the light of our continual research and development programme the information relating to each product has not been superseded.

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