

MAKRETE FILLERS M4/M6

Silica Sand Fillers for Site Formulating Epoxy Mortars

Makrete Fillers M4/M6 are graded silica sand which has been cleaned and dried. Makrete Fillers can be used to create a wide variety of epoxy repair mortars and flooring products.

Makrete Fillers M4

Makrete M4 Fillers are produced by using a fine, graded blend of sands for general purpose patching repair mortars and concrete repairs. This filler makes economical grouting or rendering compounds when mixed with **Makcote Epoxy Binder**.

Makrete Fillers M6

Makrete M6 Fillers is a single sized quartzite aggregate for dense mortars, floor screeds and patching compounds. Makrete Fillers M6 can be used with Makrete M4 Fillers for large scale repairs or toppings.

RECOMMENDED USES

- **Makrete Fillers M4/M6** are used with **Makcote Epoxy Binder** to make epoxy screed and mortars of different consistencies to repair concrete.

FEATURES AND BENEFITS

- Simple mix design to produce different epoxy mortars
- Chemically inert
- Respirable Crystalline Silica hazard free
- Australian Made and Australian Owned

APPLICATION INSTRUCTIONS

Mix **Makrete M4/M6 Fillers** with **Makcote Epoxy Binder** in the following proportions:

YIELDS

Litres of mixed binder	Litres of M4 Fillers	Kg of M4 Fillers	Yield Litres	Consistency	7 Day Compressive strength
1	2	3.0	2.4	Fluid Paste	100 MPa
1	3	4.50	3.2	Stiff Paste	90 MPa
1	4	6.00	4.0	Trowellable	85 MPa
1	5	7.40	5.0	Dry Mortar	75 MPa

MIXING

Mix the required amount of **Makcote Epoxy Binder** as per the application instructions with a forced action mixer. Do not mix manually.

The **Makcote Epoxy Binder** should be mixed for up to 2 minutes before adding the **Makrete Fillers M4/M6**. Continue to mix the **Makrete Fillers M4/M6** with the **Makcote Epoxy Binder** mix to achieve the consistency required. Mix the products at a slow speed (400/500rpm) in a suitably sized drum using the appropriate equipment such as a Helical mixing paddle fitted to a heavy duty 1600W mixer or equivalent. If larger volumes of product are required, mix the fillers into the base resin before adding the hardener. Ensure that the mortar is mixed for the recommended time.

CURING

Adding **Makrete Fillers M4/M6** to **Makcote Epoxy Binder** will slow the rate of initial set for the mixed binder system. The fillers act as a heat sink. This is beneficial in large placements of Epoxy Binders as the risk of an uncontrolled exothermic

reaction is reduced. The mortar with fillers will normally reach full cure in seven days.

PACKAGING

Makrete Fillers M4/M6 are supplied in 20kg poly lined bags.

SHELF LIFE

Makrete Fillers M4/M6 has shelf life of 24 months if stored in the original sealed packaging in dry, low humid environments.

CLEAN UP

Makrete Fillers M4/M6 should be removed from tools and equipment with clean water immediately after use.

HEALTH AND SAFETY INFORMATION

Avoid contact with skin. Protective gloves and clothing are recommended when mixing or using this product. Please refer to full Safety Data Sheet for this product, which is available from Makrete Building Solutions.

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PRODUCT	MAKRETE FILLERS M4/M6
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Item Code	MAKC60 - MAKRETE FILLERS M4 MAKC61 – MAKRETE FILLERS M6
Pack Size	20 kg Bag

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time.

The TDS should be carefully read and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied.

Our responsibility for products sold is subject to our standard terms and conditions of sale. Makrete does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

The information and any recommendations relating to the application and end-use of all MAKRETE products are provided in good faith based on MAKRETE's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by MAKRETE. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions.

It is recommended that all products be properly stored, handled and applied in accordance with the printed literature (TDS).

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.