

## MAKBOND

## TECHNICAL DATA SHEET

### High-Performance Polymer for Bonding and Admixture Applications

**Makbond** is a very versatile sealing and bonding agent, used widely in the building and renovating industries.

#### RECOMMENDED USES

- Toppings & Repairs
- Rendering & Plastering
- Can be used on Polystyrene
- Tile Fixing & Grouting
- Sealing, Binding & Dustproofing
- Carpentry Joinery & General Craftwork
- Decorative Finishes
- Bonding new to old concrete
- Sealing concrete surfaces
- Admixture for enhancing the performance of mortars and renders

#### FEATURES AND BENEFITS

- Water Based
- Non-Hazardous
- High Solids Content
- Interior/Exterior Use
- High Bond Strength
- Economical to Use
- Australian Made and Australian Owned

#### APPLICATION INSTRUCTIONS

##### SURFACE PREPARATION

All surfaces must be clean and free from any contaminants, wax or resin based curing compounds, oil or grease. Any loose material must be removed. Damaged concrete surfaces should be repaired (refer **Makrete**

Patch Repair Mortar Range). **Makbond** should not be exposed to water, moisture or dampness. **Makbond** is not recommended for bonding rubber to plastic.

#### APPLICATIONS

##### RENDER TOPPINGS AND PATCHING (SAND CEMENT SCREED):

Apply a sealer coat of **Makbond**:  
(**Makbond** 1: water 4) allow to dry.

Apply a bond coat of **Makbond**:  
(**Makbond** 4: water 1) and while still wet or tacky carry out topping or patching.

Use **Makbond** admixture:  
(**Makbond** 1: water 10) in the topping and patching mixture in place of normal water.

##### BONDING NEW TO OLD CONCRETE:

All surfaces must be clean and free from any contamination including curing agents, oils and grease.

Apply a sealer coat (1-part **Makbond** to 5 parts water) to existing concrete and absorbing into concrete. This will reduce porosity of concrete. Apply a prime coat (1-part **Makbond** to 1 part water) and place concrete topping while the prime coat is still tacky.

##### CURING COMPOUND:

**Makbond** can be used as an economical curing compound simply by diluting 1-part **Makbond** to 4 parts water and applying over green (after final trowel of concrete topping) at a rate of approx. 4-5 m<sup>2</sup> per litre.

##### SEALER COAT:

**Makbond** is recommended sealing internal concrete surfaces by diluting **Makbond** 1-part **Makbond** to 4 parts water. Apply over the concrete. A second coat is recommended if the concrete is very porous. Apply each coat between 6-8 m<sup>2</sup> per litre.

## COVERAGE RATES

**Makbond** Undiluted = 3.5 m<sup>2</sup> per litre  
**Makbond** Diluted: (Measured by volume)  
**Makbond** 4 parts: water 1 part = 8 m<sup>2</sup> per litre  
**Makbond** 1 part: water 1 part = 17.5 m<sup>2</sup> per litre  
**Makbond** 1 part: water 4 parts = 35 m<sup>2</sup> per litre  
**Makbond** as an admix:  
**Makbond** 1 part water 10 parts is an ideal admix ratio for cement toppings, concrete, plasters etc.  
For estimating purposes 2 litres of **Makbond** diluted with 20 litres of water is normally sufficient for mixing each 40 kg bag of cement.

## PRECAUTIONS

Do not use **Makbond** in wet areas or areas where prolonged contact with water is likely.  
Do not use **Makbond** on plastic materials, rubber or glass.  
**Makbond** should not be used in mortars where temperatures are lower than 5°C and greater than 35°C.  
For use as a curing compound. **Makbond** should be diluted – 4 parts water to 1-part **Makbond** and used immediately after final trowel of the concrete surface.

## PACKAGING

**Makbond** is supplied in 5 litre and 20 litre containers.

## SHELF LIFE

**Makbond** shelf life is 24 months in an unopened container.

## CLEAN UP

**Makbond** should be removed from tools and equipment with clean water immediately after use. Cured material can only be removed mechanically.

## HEALTH AND SAFETY INFORMATION

It is recommended that normal personal protective clothing should be worn, including coveralls, impervious gloves and goggles. Avoid unnecessary skin contact and inhalation – use a suitable respirator if spray application is employed. If swallowed, contact a doctor or the Poison Information Centre on 13 11 26. Give water to drink and do not induce vomiting. Please refer to full Safety Data Sheet for this product, which is available from Makrete Building Solutions.

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Product	MAKBOND
Issue Date	JAN 2023
Issue No:	1
Item Code	MAKA76 – 5L MAKA77 – 20L
Pack Size	5L & 20L

**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.