

MAKLOX

TECHNICAL DATA SHEET

High-Performance Concentrated Mortar Plasticiser

Maklox is a high-performance plasticiser used in Portland cement to greatly improve the handling characteristics of mortars that it is added to. It improves the workability, solidity, consistency, water retention and ease of installation.

RECOMMENDED USES

- Plasticiser mortars, renders and other sand/cement mixes
- Allows for easier workability in mortars which contain coarser sand
- Mortars will flow more evenly at lower water contents and maintain shape and form even under loads from subsequent layers of bricks
- Reduces segregation and bleeding in mortar mixes reducing unsightly surface laitence
- Can be used in both sand/cement and sand/lime/cement mixes

FEATURES AND BENEFITS

- **Maklox** additive improves cure of mortars, leading to a stronger and more durable resultant mortar
- Eliminates the need for lime to be added to plasticise the mix which allows the water/cement ratio to be reduced, producing a higher strength mortar
- Air-entraining properties increase smoothness, strength, adhesion and workability of mortar, render and other sand/cement mixes

- Improves surface adhesion of renders while still wet
- Improves flexibility and durability
- Extends working time
- Brown coloured liquid is easier to measure, mix and dilute than powder based plasticers
- Reduces the cracking and weakening effects of thermal expansion/contraction and frost
- High Strength
- Australian Made and Australian Owned

APPLICATION INSTRUCTIONS

To achieve maximum and high-performance results, add **Maklox** to the gauge water in a proportion of 50ml to 80ml per 40kg bag of Portland cement used to produce the mortar.

If dry sands are used, add between 300ml and 500ml of **Maklox** per 200 litres of gauge water.

For mortars using very coarse and irregular graded sands increase the dosage to 80ml-100ml per 40kg of Portland cement.

When dry sands are used add between 300ml to 500ml per 200 litres of gauge water.

Once **Maklox** has been added to the gauging water proceed with preparation of bricklaying or rendering mortar as per usual practise.

PRECAUTIONS

Do not add **Maklox** directly to mortar mix. It must be premixed with water prior to use.

PACKAGING

Maklox is available in 5 Litre and 20 Litre Containers.

SHELF LIFE

Maklox has a shelf life of 12 months in unopened container.

CLEAN UP

Clean all equipment with water immediately after use.

HEALTH AND SAFETY INFORMATION

Maklox is classified as non-hazardous but should still be handled with care.

Please refer to full Safety Data Sheet for this product, which is available from Makrete Building Solutions.

TECHNICAL SPECIFICATIONS - PERFORMANCE CHARACTERISTICS

PRODUCT DATA	
Specific Gravity @ 25°C	1.00 Approx.
Ph	9.5 – 10.5
Toxicity	Very Low
VOC	6gm/L
Solubility in Water	Totally Miscible
Appearance	Brown Liquid

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Product	MAKLOX
Issue Date	MAY 2023
Issue No:	1
Item Code	MAKA74
Quantity	5 Litre
Item Code	MAKA75
Quantity	20 Litre

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.