

MAKSEAL HYBRID LM

High Performance Low Modulus Hybrid Flexible Joint Sealant

Makseal Hybrid LM is a high-quality low modulus hybrid flexible joint sealant and adhesive which is free of Isocyanate and other hazardous raw materials and produces low odour.

Makseal Hybrid LM displays high joint movement capability with no sagging or slump characteristics to provide high quality and efficient joint finish.

Makseal Hybrid LM is used when strong adhesion is needed for most common building materials such as Aluminium, Timber, Concrete and Fibreglass.

RECOMMENDED USES

- Joint sealant application for construction material
- Flexible joint sealant around doors, windows and facades
- Used for general purpose interior joint sealant applications
- Sandstone and granite
- Blockwork and Bricks
- Plasterboard
- Fibre Cement Sheet
- Aluminium profiles
- Fibreglass
- Precast concrete panels
- Automotive and marine applications requiring a flexible adhesion profile between substrates
- Sound dampening measures: Suitable for the interface of anti-corrosion seals in areas of rivets, bolts & hinges.
- AS4020 Potable approved (Grey)

- Trafficable in joints up to 6mm
- Perimeter joints around doors and windows

FEATURES AND BENEFITS

- Flexible joint sealant which offers strong adhesion to construction materials
- Isocyanate and solvent free
- Emits low odour
- Non-Corrosive
- Low VOC
- Permanently flexible to provide a lasting seal
- Non-Slump
- Paintable
- Vehicle traffic for joints up to 6mm
- Joint movement total 50%
- Australian Owned

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The surfaces to be bonded must be clean and dry, as well as free of wax, grease, dust and any other foreign materials so that the adhesive bond is not compromised.

PRIMING

It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown.

APPLICATION INSTRUCTIONS

Cut nozzle at a sharp angle slightly wider than the desired bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved. The joint depth should be half of the joint width. Extrude sealant with a gun and tool with a round spatula within 10 minutes to spread the sealant against joint surfaces.

JOINT DESIGN

Makseal Hybrid LM has a high body designed not to slump in joints up to 40mm in width. To allow the sealant to move effectively, the correct joint design requires that the sealant depth must be half of the width of the joint. A suitable closed cell must be used to ensure that the correct joint depth is achieved.

APPLICATION – LIMITATIONS

Makseal Hybrid LM will bond to most common construction substrates, however an adhesion test on sample substrates should be conducted to ensure adequate adhesion in the finished application.

In waterproofing applications, **Makseal Hybrid LM** should be left to cure a minimum of 8 hours prior to being covered by any membrane/ sealer system.

Tests should be conducted to ensure that there are no adverse reactions between **Makseal Hybrid LM** and a membrane coating system.

Will not adhere to some plastics, polyethylene, polypropylene & Teflon.

CURING

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in one hour and takes up to seven days to fully cure. In cold or very humid climates, the cure time may extend beyond seven days.

PACKAGING

Makseal Hybrid LM is supplied in ready to use 600ml sausages. There are 20 sausages to a carton.

SHELF LIFE

Makseal Hybrid LM has a 24-month shelf life when stored in a dry environment and between +5°C and +25°C.

CLEAN UP

Cured material removed by mechanical means only.

HEALTH AND SAFETY INFORMATION SAFETY

If poisoning occurs, contact Poisons Information Centre: Australia: 13 11 26
New Zealand: 0800 764 766

KEEP OUT OF REACH OF CHILDREN.

Keep away from heat/sparks/open flames/hot surfaces.

No smoking. Handle under inert gas. Protect from moisture.

Do not breathe dust /fume /gas /mist/vapours or spray.

Do not eat, drink or smoke when using this product.

Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from any possible contact with water, because of violent reaction and possible flash fire.

FIRST AID:

IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/ physician.

Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages. Take off contaminated clothing and wash before reuse.

In case of fire: Use alcohol resistant foam or normal protein foam for extinction. IF

IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical

advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Read The Material Safety Data Sheet Before Using for Additional Information.

TECHNICAL SUPPORT

MAKRETE supplies a comprehensive range of high-quality, high-performance construction and industrial products. In addition, **MAKRETE** offers technical support and on-site advice to architects, engineers, trades people, contractors and end users.

Co-operative testing program is offered for major projects, including warranties. Please contact your **MAKRETE** sales representative for this service.

TECHNICAL SPECIFICATIONS – PERFORMANCE CHARACTERISTICS

PROPERTIES	PERFORMANCE CHARACTERISTICS
Appearance	Thixotropic, no sag paste
Colour	Grey, White. Black
Curing Method	Moisture curing
Movement Capability	Total 50%
Specific Gravity	Gravity approx. 1.6g/ml(DIN 52451-A)
Service Temperature	-40°C to +90°C
Elongation @ Break	Approx. >450%
Skinning Time	Approx. 35 mins @ 25°C, 50% RH
Tack Free Time	60 minutes
Rate of Cure	2.5mm per 24 hours
Shore A Hardness	45 ± 5
Tensile Strength	0.7N/mm ²

CONTACT & TECHNICAL SUPPORT
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PRODUCT	MAKSEAL HYBRID LM
Issue Date	MAY 2023
Issue No:	1
Item Code	MAKS98 – Grey
Item Code	MAKS94– White
Item Code	MAKS95– Black
Pack Size	600ML Sausage

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.