PRODUCT DATA SHEET

PROHESIVE® PRO MAXSET

A ECONOMICAL POLYMER FORTIFIED, FLEXIBLE, CEMENT BASED ADHESIVE FORMULATED TO FIX MOST TYPES OF TILES & STONE

DESCRIPTION

PROHESIVE® PRO MAXSET is an economical, flexible, polymer fortified, cement based tile adhesive for installing most types of tile & stone.
PROHESIVE® PRO MAXSET is a versatile adhesive and can be used on both walls and floor and internal and external applications for large format porcelain, ceramic, mosaic & stone.

USES

PROHESIVE® PRO MAXSET
Is suitable for fixing tiles by thin bed application.
Is suitable for fixing tiles by thick bed application up to 10mm.
Is suitable for internal and external applications.
Is suitable for wall and floor applications.
Is suitable for use over Sika Approved Waterproof membranes.

SUITABLE TILE TYPES ARE:
- Ceramic Tiles
- Porcelain Tiles
- Mosaic tiles
- Terracotta
- Cement pavers
- Natural Stone (non moisture sensitive & dimensionally stable)

SUITABLE SUBSTRATES INCLUDE;
- Concrete (concrete greater than 35Mpa must have mechanical preparation prior)
- Compressed cement boards*
- Ceramic Tile Underlay / Fibre cement boards*
- Masonry
- Sika approved waterproof membranes
- Gypsum Plasterboard

*refer to board manufacturers strict installation instructions for details and load limits.

CHARACTERISTICS / ADVANTAGES

- High bond strength
- Economical versatile adhesive
- Internal & external applications
- Wall & Floor applications
- Flexible S1 performance
- Good non slump properties
- Excellent workability
- Available in both grey and white colour
- Ideal for light coloured tiles and stone

VOC CONTENT:
Low VOC - 7gr/L (SCAQD method 304-91)

PRODUCT INFORMATION

Composition	Portland Cement, selected quartz mineral aggregates, polymers, & special additives.
Packaging	20kg Bags / 64 Bags per Pallet
Appearance / Colour	Available in both White and Grey
Shelf life	12 Months from date of manufacture.
Storage conditions	Store off ground in dry cool conditions (*High humidity will reduce shelf life*).
Product declaration	C2TES1 Class Adhesive AS ISO 13007

APPLICATION INFORMATION

Mixing ratio	5 - 6 Litres of water per 20kg bag	
Consumption	Notched Trowel Size	Approx coverage per bag
	6mm Notched trowel	11m2
	10mm Notched trowel	6m²
	Consumption is always dependant on the substrate surface profile, roughness and application technique.	
Ambient air temperature	+5°C Min / +35°C Max	
Substrate temperature	+5°C Min / +35°C Max	
Pot Life	2 hours at 23°C & 50% RH	
Open Time	30 Minutes at 23°C & 50% RH	
Applied product ready for use	USE	WAITING TIME
	Grouting on walls	24 hours
	Grouting on Floors	24 hours
	Full Use / Traffic dry area	24-48 hours
	Full Use wet area	7 Days
	Values determined at laboratory conditions: 23°C, & 50% RH. Higher temperatures will reduce wait times and lower with increase. High humidity will prolong setting times.	

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

▪ PROHESIVE® PRO MAXSET is not suitable for applications over tongue and grooved timber flooring, plywood, medium density fibre board, or Masonite.
▪ PROHESIVE® PRO MAXSET is not suitable for moisture sensitive stone.
▪ For applications externally above 3 meters use in conjunction with mechanical fixing / shelfing systems.
▪ PROHESIVE® PRO MAXSET is not suitable to be applied directly over solvent based waterproof membranes.
▪ The performance of cement based adhesives will be compromised when used above 35°C and under 5°C.

▪ Efflorescence is beyond the control of the manufacturer due to external influences beyond our control
▪ PROHESIVE® PRO MAXSET is not suitable for submersed applications.
▪ PROHESIVE® PRO MAXSET is not suitable for direct tile over tile applications. Use Eco System Prep n Prime prior.
▪ PROHESIVE® PRO MAXSET is not suitable for heavy duty applications such as vehicular traffic.
▪ During application ensure protection from extreme heat, extreme sunlight, & water ingress.
▪ Contact Sika Australia for advice if further information is required.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

Product Data Sheet
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APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

• Substrate deflection, all substrate under loads must not exceed L/360 for tiles & L/450 for stone.
• Substrates must be properly cured, structurally sound, free from friable particles, clean, dry, and free from contaminates such as dirt, dust, oil, grease, curing compounds, crystalline admixtures, release agents, laitance or efflorescence.
• Dependant on the substrate condition and contamination to be removed from the surface, perform adequate preparation techniques, such as water blasting, scarification, or blast cleaning in order to remove all traces of contaminates that could reduce the products adhesion to the substrate.
• PROHESIVE® PRO MAXSET can be applied to a maximum layer thickness of 10mm. If necessary level floors using a Sika® self levelling underlayment.
• For tiling wet areas, a suitable Sika waterproofing membrane should be used prior to tiling.

CONCRETE FLOORS: Allow 28 days for concrete to cure. Concrete shall be left with open surface - steel trowel finishes are generally acceptable if they accept water. Wood float finishes are preferred where possible.
CEMENT MORTAR BEDS / SCREEDS: Must be installed as per AS ISO 3958.1-2007. Screed must be adequately cured and dry prior to tiling. Allow 5-7 days dependant on thickness.
SHEETED / BOARD SUBSTRATES: All boards and sheets must be installed as per manufacturers instructions and specifically designed for tiling.
PRIMING:
Porous substrates: Eco Prime WB*
Non Porous Substrates: Eco Prep n Prime*
*refer to product data sheet for further instructions

MIXING

Pour clean cool water into a mixing container and gradually pour the PROHESIVE® PRO MAXSET powder into the container and stir with a slow speed mixing drill (approx 500RPM). Mix for 2-3 minutes to a smooth lump free homogenous consistency. Allow the product to stand (slake) for 5 minutes then restir for an additional minute. Do not add more water. Restirring the mixture may be required during the adhesives pot life.

APPLICATION

Tiles shall be fixed in accordance to with AS 3958.1-2007.
• Ensure the backs of tiles are clean and free from dust and contaminates.
• Apply the adhesive to the substrate with the appropriate sized notched trowel to achieve coverage requirement on both substrate and the back of the tile. Tiles may require back-buttering to achieve minimum coverage requirements.
• Apply the adhesive with a notched trowel in a single direction. Apply the tile, while pressing into the wet adhesive, break the ridges with the tile to fully bed the tile into the adhesive.
• It is advisable to periodically check the backs of the tiles for adhesive coverage requirements as the AS3958.1-2007.
• Only apply as must adhesive that can be covered prior to adhesive skinning. If skinning occurs remove and replace with fresh adhesive.
• Remove any excess adhesive from the face of the tile with a damp sponge and ensure grout joint are of uniform depth.
• Movement, expansion and control joints must be installed as per AS 3958.1-2007.
• For tile over tile applications, existing tiling must be adequately cleaned prior to application. Ensure existing tiling is sound and free from defect. Prime existing tiles with Prep n Prime and allow to dry.

CLEANING OF EQUIPMENT

Tools and equipment can be cleaned while adhesive is still wet.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either

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from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

ISO 9001 ≡ ISO 14001
AS/NZS 4801 ≡ OHSAS 18001

MANAGEMENT SYSTEM CERTIFICATION
DNV·GL

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