

PRODUCT DATA SHEET

PROHESIVE MEGAPRO®

A FINE WHITE POLYMER FORTIFIED FLEXIBLE CEMENT BASED ADHESIVE FOR TILE AND STONE APPLICATIONS INTERNALLY

SIKA NZ CTA
APPROVED
CONTRACTOR
ONLY

DESCRIPTION

PROHESIVE MEGAPRO® is a fine brilliant white, polymer fortified, flexible, cement based adhesive, suitable for Tile and stone internal applications on both floor and wall substrates.
PROHESIVE MEGAPRO® is suitable for light coloured or opaque stone due to its brilliant white colour.

USES

PROHESIVE MEGAPRO® is suitable for fixing tile and stone by thin bed application for internal applications only.

SUITABLE TILE TYPES ARE;

- Ceramic tiles
- Porcelain tiles
- Natural stone (non moisture sensitive stone)
- Manufactured stone (non moisture sensitive stone)
- Mosaics

SUITABLE SUBSTRATES INCLUDE;

- Concrete (concrete greater than 35 MPa compressive strength requires mechanical preparation)
 - Compressed cement boards*
 - Ceramic tile underlay / fibre cement boards*
 - Existing tiles (used in conjunction with Prep N Prime)
 - Masonry
 - Sika approved waterproof membranes
 - Cement mortar beds / screeds
 - Gypsum plasterboard
- *refer to board manufacturers instructions for further details and load limits.

CHARACTERISTICS / ADVANTAGES

- Fine, smooth trowelable adhesive
- S1, flexible performance
- Internal use
- Suitable for light and opaque stones (non moisture sensitive)
- Wall and floor use
- Suitable for use over Sika approved waterproof membranes

PRODUCT INFORMATION

Chemical Base	Cement, Polymer, lime stone & special additives
Packaging	20 kg bags / 64 bags per pallet
Appearance / Colour	Fine white powder
Shelf Life	12 months from date of manufacture.
Storage Conditions	Store off ground in cool dry conditions for maximum shelf life (high humidity with reduce shelf life).
Product Declaration	C1ES1 Class adhesive AS ISO 13007:2013

TECHNICAL INFORMATION

Tensile Adhesion Strength	Initial Tensile	≥1N/mm ²	AS ISO 13007.2:2010
	After water immersion	≥0.5N/mm ²	
	After heat ageing	≥0.5N/mm ²	
Transverse deformation	S Class ≥ 2.5 mm < 5 mm		(AS ISO 13007.2:2010)
Slip Resistance	T Class <0.5 mm		(AS ISO 13007.2:2010)

APPLICATION INFORMATION

Mixing Ratio	6.5 - 7 Litres of water per 20kg Bag		
Consumption	Notched Trowel Size	Aprox Coverage per bag	
	6 mm	9.5 m ²	
	10 mm	5.5 m ²	
	Consumption is dependant of surface profile, roughness, and application technique.		
Ambient Air Temperature	+5°C Min / +35°C Max		
Substrate Temperature	+5°C Min / +35° Max		
Pot Life	3.5 hours at 23°C & 50% RH		
Open Time	30 minutes at 23°C & 50% RH		
Applied Product Ready for Use	USE	WAIT TIME	
	Grouting on walls	8-10 hours	
	Grouting on floors	20 - 24 hours	
	Light foot traffic	20-24 hours	
	Full service	5-7 days	
	Values determined at laboratory conditions: 23°C & 50% RH. Higher temperatures will reduce times and lower temperatures with increase times.		

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Substrate Deflection: All substrates under loads must not exceed L/360 to tiles and L/450 for stone applications.

- Substrates must be properly cured, structurally sound, free from loose or friable articles, clean, dry and free from contaminates such as dust, dirt, oil, grease, crystalline sealers, curing compounds, 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 any materials that could reduce the products adhesion to the substrate.
- For tiling wet areas, a suitable Sika approved waterproof membrane system should be used prior to tiling.

CONCRETE FLOORS: Allow 28 days for concrete to cure. Concrete shall be left with an open surface - steel trowel finishes are generally acceptable if they accept water. Wood Float and broom finishes are preferred where possible.

CEMENT MORTAR BEDS / SCREEDS: Mortar beds / screeds must be installed as per AS ISO 3858.1-2007. Mortar beds / screed must be a minimum 24 hour old at 23°C & 50% R.H.

SHEETED / BOARD SUBSTRATES: All boards / underlays must be fixed in accordance to manufacturers instructions and specifically designed for tiling.

PRIMING:

Porous substrates: used Eco Prime WB*

Non Porous Substrates: Eco Prep n Prime*

*refer to primer data sheets for additional information

MIXING

Pour clean cool water into a mixing container and gradually pour the the PROHESIVE MEGAPRO® powder into the container and stir with a slow speed mixing drill (approx 500RPM). Mix for 2-3 minutes to a smooth lump free homogeneous consistency. Allow the product to stand (slake) for 5 minutes then restire 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 with AS3958.1-2007. Ensure the backs of the tiles are clean and free from dust and contaminants.

Apply the adhesive to the substrate with the appropriate sized 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 the notched trowel in a single direction. While pressing the Tile 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 back of the tiles to ensure adequate adhesive coverage is achieved in accordance to the standard.

Only apply as much adhesive that can be covered by the tiles prior to the adhesive skinning. If skinning occurs prior to placement of tiles remove and replace.

Remove any excess adhesive from the face of the tiles with a damp sponge and ensure grout joints are clean and free from excess adhesive and uniform depth.

Movement, Expansion, and Control joints must be installed as per AS ISO 3958.1-2007.

For tile over tile applications use Eco Systems Prep n Prime. Ensure existing tiles are soundly fixed and free from defect. Gloss finished or polished tiles need mechanical preparation prior to priming with Eco Systems Prep n Prime.

CLEANING OF TOOLS

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

LIMITATIONS

- PROHESIVE MEGAPRO® is not suitable for applications over tongue and grooved timber flooring, plywood, medium density fibre board, or masonite.
- PROHESIVE MEGAPRO® is not suitable for moisture sensitive stone.
- Mechanical fixing is recommended when fixing externally above 3 meters.
- PROHESIVE MEGAPRO® 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.
- PROHESIVE MEGAPRO® is not suitable for submerged applications.
- Contact Sika for advice if further information is required.

Sika (NZ) Limited

85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz



Product Data Sheet
PROHESIVE MEGAPRO®
August 2019, Version 01.01
020404020010000374

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.

LOCAL RESTRICTIONS

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

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.

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 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

PROHESIVEMEGAPRO-en-NZ-(08-2019)-1-1.pdf