PRODUCT DATA SHEET

Prohesive ProMaxset Plus

A premium performance flexible cement-based tile and stone adhesive

DESCRIPTION

Prohesive ProMaxset Plus is a premium, cement-based, polymer fortified, flexible adhesive designed for a vareity of tile & stone applications.

USES

Prohesive ProMaxset Plus is suitable for fixing tile and stone for;
- Thin-bed application
- Medium-bed applications up to 15mm.
- internal & external applications
- submerssed applications such as pools & spa's
- Over Sika approved acoustic underlayments

SUITABLE TILE TYPES ARE;
- Ceramic Tiles
- Porcelain Tiles
- Glass Mosaics
- Mosaic Tiles
- Natural Stone*
- Terrazzo*
- Thin Brick Veneer
- Agglomerates / Man made stone*

*not suitable for stone sensitive to moisture.

SUITABLE SUBSTRATES INCLUDE;
- Concrete *(concrete above 35Mpa requires mechanical preperation prior to fixing)*
- Compressed Cement Boards*
- Ceramic Tile Underlay / Fibre Cement Boards*
- Existing Tiles
- Cement render
- Sika Approved Waterproof Membranes
- Cement Mortar Beds / Screeds
- Gypsum Plaster Board

refer to board manufactuers instructions for further details and load limits.

CHARACTERISTICS / ADVANTAGES

- Internal & External Applications
- Pool tile applications
- Suitable for early age mortar beds / screeds
- Multi-purpose applications
- Flexible S1 performance
- Suitable over Sika approved acoustic underlayments

PRODUCT INFORMATION

Product declaration	C2TES1 Class adhesive AS ISO 13007
Packaging	20kg Bags / 64 Bags per Pallet
Shelf life	12 Months from date of manufacture if unopened.
Storage conditions	Store off ground in dry conditions for maximum shelf life *(high humidity will reduce shelf life)*.
Appearance and colour	White Powder

APPLICATION INFORMATION

Mixing ratio	5 - 6 Litres of water per 20kg bag.	
Consumption	**Notched Trowel Size**	**Approx coverage per bag**
	6mm Notched trowel	10m2
	10mm Notched trowel	5.5m2
Ambient air temperature	+5°C min. / +35°C max.	
Pot Life	4 hours at 23°C & 50% RH.	
Open Time	30 Minutes at 23°C & 50% RH	
Adjustability time	50 minutes, dependant on substrate, porosity of tile, environment and site conditions	

Applied product ready for use	**USE**	**WAITING TIME**
	Grouting on floors	20 - 24 hours
	Full traffic / use	7 days
	Filling with water	21 days
	Values determined at labororatory conditions:23°C ± 2°C, R.h. 50% ± 5°%. Higher temperatures will reduces waiting time, and lower temperatures increase 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 ProMaxset Plus cannot be used directly over tongue and grooved timber flooring, particle board, plywood, medium density fibre board or masonnite.
- Prohesive ProMaxset Plus is not suitable for fixing moisture sensitive tile or stone.
- Prohesive ProMaxset Plus cannot be used over solvent based polyurethane waterproof membranes.
- Prohesive ProMaxset Plus can be only used over Sika approved waterbased waterproof membranes.
- Special fixing techniques are required when fixing externally at heights above 2.7 meters.
- The performance of cement based tile adhesives will be comprmised when tiling in temperatures below 5°C and above 35°C.
- Effloresence is beyond the control of the manufacturer due to external influences beyond our control.
- Contact Sika® 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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- All substrates under loads must not exceed L/360 to tiles and L/480 for stone applications.
- Substrates must be properly cured, structurally sound, free from loose or friable particles, clean, dry and free from contaminates such as dust, dirt, oil, grease, curing compounds, laitance or effloresence.
- Dependant on the substrate condition and contamination to be removed from the surface, perform adequate preperation 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.
- Concrete with compressive strength of 35Mpa or greater will need mechanical preparation.

Concrete Floors: Concrete shall be left with an open surface - steel trowel finishes are generally acceptable if they accept water penetration. Wood Float and broom finishes are preferred.

Cement Mortar Beds / Screeds: Mortar beds / screeds must be installed as per AS ISO 3858.1-2007.

Sheeted substrates: All boards / underlays must be fixed in accordance to manufacturers instructions and specifically designed for tiling.

PRIMING GUIDE

Application	Primer
Porous Substrates	Eco Prime WB
	Davco Ultraprime
Non Porous Substrates	Sika Prep n Prime

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MIXING

Pour the recommended amount of fresh cool water into a clean mixing container. Whilst stirring slowly using a slow speed electric mixer (approx 500rpm) add the powder and mix to a smooth lump free homogenous mix is acheived.
Allow Mix to stand and "slake" for 5 minutes and immediately restir for an additional minute.
Restirring the mix may be necessary but do not add addition water.

APPLICATION

▪ Tile & Stone shall be fixed in accordance with AS3958.1-2007.
▪ Ensure the backs of tiles are clean and free from dust and contaminates.
▪ Apply the adhesive to the substrate with the appropriate sized nothced trowel to acheive coverage requirements on both substrate and the back of tiles. Tiles may require "back-buttering" to acheive minimum coverage requirements.
▪ Apply the adhesive with the notched trowel in a single direction. While pressing the tiles into the wet adhesive, break adhesive ridges with the tile to full bed the tile into the adhesive.
▪ It is advisable to periodically check the back of the tiles to ensure adequate coverage of adhesive is acheived in accordance to the standard.
▪ Only apply as much ashesive that can be covered by the tiles prior to skinning. If adhesive skins prior to placement of tiles, remove and replace.
▪ Remove any excess adhesive from the face of tiles and ensure grout joint are cleand and free from excess adhesive and uniform depth.
▪ Movement, Expansion and Control joints must be installated.
▪ Allow the adhesive to dry prior to grouting application.

CLEANING OF EQUIPMENT

Tools and equipement can be cleaned with water prior to the adhesive setting.

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 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.

ProhesiveProMaxsetPlus-en-AU-(04-2023)-1-4.pdf

Product Data Sheet
Prohesive ProMaxset Plus
April 2023, Version 01.04
021710102000000380

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