

## PRODUCT DATA SHEET

# Prohesive Proset Super

A RIGID HIGH BOND CEMENT BASED ADHESIVE FOR USE OVER MASONRY SUBSTRATES

SIKA NZ CTA  
APPROVED  
CONTRACTOR  
ONLY

### DESCRIPTION

Prohesive Proset Super is a rigid, high strength adhesive used for bond tiles and pavers over masonry substrates.

Prohesive Proset Super can be mixed with SikaCeram® T-Latex admixture for use over framed substrates for improved adhesion and flexibility.

### USES

Prohesive Proset Super is suitable for:

- Fixing tiles by thin bed application.
- Use internally and externally.
- Wall and floor applications.

#### SUITABLE TILE TYPES:

- Ceramic
- Porcelain
- Quarry
- Terracotta
- Monocottura
- Natural Stone\*
- Glass Mosaics\*

*\*when mixed with SikaCeram® T-Latex admixture as a total water replacement*

### SUITABLE SUBSTRATES:

- Concrete
- Masonry
- Cement mortar beds / screeds
- Sheeted substrates\*
- Sika approved waterproof membranes\*

*\*when mixed with SikaCeram® T-Latex admixture as a total water replacement.*

### CHARACTERISTICS / ADVANTAGES

- High bond strength
- Easy to apply
- Low VOC
- Non slump properties
- Good pot life and open time

### PRODUCT INFORMATION

<b>Product Declaration</b>	C2TE Class adhesive AS ISO 13007
<b>Chemical Base</b>	Cement, Quartz mineral aggregates, polymers and special additives.
<b>Packaging</b>	20 kg bags / 64 bags per pallet
<b>Shelf Life</b>	12 months from date of Manufacture.
<b>Storage Conditions</b>	Store in a dry cool conditions for maximum shelf life (high humidity with reduce shelf life).
<b>Appearance / Colour</b>	Available in Grey cement

## TECHNICAL INFORMATION

<b>Tensile Adhesion Strength</b>	<u>Initial tensile</u>	<u>≥ 1 N/mm<sup>2</sup></u>	AS ISO 13007.2:2010
	<u>After water immersion</u>	<u>≥ 1 N/mm<sup>2</sup></u>	
	<u>After heat ageing</u>	<u>≥ 1 N/mm<sup>2</sup></u>	
<b>Slip Resistance</b>	T Class ≤0.5mm AS ISO 13007.2:2010		

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	5.5 - 6 Litres of water per 20 kg bag		
<b>Consumption</b>	<b>Notched Trowel Size</b>	<b>Approx coverage per bag</b>	
	6 mm	8 m <sup>2</sup>	
	10 mm	5 - 5.5 m <sup>2</sup>	
Consumption is always dependant on the substrate surface profile, roughness, and application technique.			
<b>Ambient Air Temperature</b>	+5°C Min / +38°C Max		
<b>Substrate Temperature</b>	+5°C Min / +35°C Max		
<b>Pot Life</b>	3 hours at 23°C & 50% RH		
<b>Open Time</b>	30 Minutes at 23°C & 50% RH		
<b>Applied Product Ready for Use</b>	<b>USE</b>	<b>WAIT TIME</b>	
	Grouting on walls	6-8 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 will 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.

## LIMITATIONS

- Prohesive Proset Super is not suitable for applications over tongue and grooved timber flooring, plywood, medium density fibre board, or masonite.
- Prohesive Proset Super is not suitable for moisture sensitive stone.
- Mechanical fixing is recommended when fixing externally above 3 meters.
- Prohesive Proset Super is not suitable to be applied directly over solvent based waterproof membranes.
- The performance of cement based adhesives will be compromised when used above +38°C and under +5°C.
- Efflorescence is beyond the control of the manufacturer.
- Where a flexible adhesive is required mix Prohesive Proset Super with SikaCeram® T-Latex admixture as a total water replacement.
- 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

- Substrate deflection, all substrate under loads must not exceed L/360 for tiles and L/450 for stone.
- Substrates must be properly cured, structurally sound, free from friable particles, clean, dry, and free from contaminants 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 contaminants that could reduce the products adhesion to the substrate.
- For tiling wet areas, a suitable Sika under tile waterproof 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.

## 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 / Sikafloor®-01 Primer

Non Porous Substrates: Eco Prep n Prime / SikaTile®-015 NPP

\*refer to primer data sheets for additional information.

## MIXING

Pour clean cool water into a mixing container and gradually pour the the Prohesive Proset Super powder into the container and stir with a slow speed mixing drill (approx 500 rpm). 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. Re-stirring 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 acheive coverage requirement on both substrate and the back of the tile. Tiles may require back-buttering to acheive 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 back of the tiles for adhesive coverage requirements as the AS3958.1-2007.
- Only apply as much 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 in-

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stalled as per AS 3958.1-2007.

## CLEANING OF TOOLS

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

## 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.

## 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.

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