

PRODUCT DATA SHEET

ECO SYSTEMS® PREP "N" PRIME

A water based non porous primer designed for tiling applications

SIKA NZ CTA
APPROVED
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ONLY

DESCRIPTION

ECO SYSTEMS® PREP "N" PRIME is a unique flexible water based primer specifically designed with advanced adhesion properties for use on existing tiles, smooth and non porous surfaces, including puddle flanges and pipe penetrations.

USES

- ECO SYSTEMS® PREP "N" PRIME is suitable for the priming of non porous substrates and difficult to adhere to substrates prior to the application of ceramic tile, porcelain, stone and other Sika coatings.
- ECO SYSTEMS® PREP "N" PRIME is designed to bond to PVC pipe penetrations and puddle flanges, and metal floor drains / wastes.
- ECO SYSTEMS® PREP "N" PRIME can be used both internally and externally.

CHARACTERISTICS / ADVANTAGES

ECO SYSTEMS® PREP "N" PRIME enables the ability to tile over difficult, non porous surfaces without the need for mechanical surface preparation. Fast drying formulation allows for installation of tiles 1 hour after application.

- No Mixing - single component
- No wastage
- Low VOC
- Non flammable and non hazardous
- Internal/ external applications
- Easy application with brush or roller
- Dries to a keyed finish
- Excellent alternative to mechanical grinding and acid etching surfaces

PRODUCT INFORMATION

Chemical Base	Styrene-acrylate copolymer.
Packaging	1 litre and 4 litre pails
Appearance / Colour	Green liquid
Shelf Life	Twelve (12) months from date of manufacture when stored as stated.
Storage Conditions	Store in dry cool conditions out of direct sunlight and excessive heat.

TECHNICAL INFORMATION

Tensile Adhesion Strength	SUBSTRATE	TENSILE TEST RESULT
	Ceramic Tile	> 1 MPa
Metal	> 1 MPa	

APPLICATION INFORMATION

Substrates	ECO SYSTEMS® PREP "N" PRIME can be used over the following substrates: <ul style="list-style-type: none">▪ Priming of pipe penetrations, puddle flanges and drain grates manufactured from zinalume, stainless steel, copper, brass and metals▪ Priming over glazed tiles (glossy tiles require mechanical preparation prior)▪ Priming over vinyl tiles (non cushion backed) and laminates (dry areas only)▪ Priming over PVC puddle flanges▪ Priming of Aqua Blok epoxy moisture seal vapour barrier▪ Priming of general non-porous and shiny surfaces* (dry areas only) *conduct bond test prior to tiling application	
Consumption	8 - 10 m ² per litre depending on surface porosity and finish	
Substrate Temperature	Min 5°C to Max 35°C	
Waiting Time / Overcoating	Application	Wait Time
	Primer over existing tiles	40 mins - 1 hour
	Priming prior to waterproofing	3 - 5 hours
	Primer over non porous substrates and puddle flanges	1hr +
<i>* Values determined at laboratory conditions: 23°C & 50% RH. Site conditions will vary wait times. Higher temperatures with reduce times and cool temperatures with extend times. High humidity will slow drying of primer.</i>		

APPLICATION INSTRUCTIONS

ECO SYSTEMS® PREP "N" PRIME should be stirred before use. ECO SYSTEMS® PREP "N" PRIME may be applied to vertical or horizontal surfaces using a roller or brush. When using over existing cut back carpet and vinyl adhesive surfaces, it is recommended a sample test be done to ensure adequate adhesion.

EQUIPMENT

Application with roller or brush.

SUBSTRATE QUALITY / PRE-TREATMENT

- All surfaces must be clean, dry, free from dust, grease, wax, oil, laitance, curing compounds, release agents, sealers, coatings, friable material and all other contaminants likely to prevent the ECO SYSTEMS® PREP "N" PRIME bonding.
- Flexible building boards such as fibrous cement sheeting and plasterboard must be fixed in accordance with the manufacturer's printed directions.
- Where necessary, wipe down the substrate with a damp sponge to remove any dust or foreign matter prior to the application of ECO SYSTEMS® PREP "N" PRIME.
- All substrate surfaces must be secure and continuous, all voids and gaps must be filled.
- Ensure all metal surfaces are free from rust and oxidation film.

MIXING

Primer comes premixed however stirring is recommended prior to use.

APPLICATION

Apply one coat of ECO SYSTEMS® PREP "N" PRIME by brush or roller. Final thickness once dry shall be min 0.2 - 0.4 mm.

CLEANING OF TOOLS

Clean equipment with water while the product is still wet.

LIMITATIONS

- Mechanical sanding/ grinding to enhance adhesion to epoxy coatings prior to application of ECO SYSTEMS® PREP "N" PRIME is recommended. Test for adequate adhesion prior to further applications.
- Etching metal surfaces with steel wool and clean with Isopropyl alcohol prior to application of ECO SYSTEMS® PREP "N" PRIME is recommended.
- ECO SYSTEMS® PREP "N" PRIME is not suitable for solvent based finishes.
- When using externally or on shower recess floors, areas must have appropriate falls to waste for drainage.
- ECO SYSTEMS® PREP "N" PRIME is not suitable for continuous water immersion applications, eg : swimming pools and spas, etc.
- ECO SYSTEMS® PREP "N" PRIME is not suitable over waterproofing membranes unless Sika approved, seek further technical advice.
- ECO SYSTEMS® PREP "N" PRIME is not suitable for solvent based polyurethane membranes as a primer.
- Do not apply onto wet or damp substrates.
- Do not dilute.
- Do not use as a waterproofing membrane, or on areas of negative hydrostatic pressure.

- Do not apply in temperatures below +5°C and above +35°C, or under hot and windy conditions.
- If using as a primer for waterproofing allow extra curing time prior to application of the waterproof membrane. Test product to ensure fully dry prior to application of subsequent membrane.

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.

Sika (NZ) Limited

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



Product Data Sheet

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