TRUEPREP SILANE PRIMER

TDSA91002CTL

DESCRIPTION	A Cementitious Primer is a ready to use aqueous silane emulsion on for the water repellent impregnation and sealing of absorbent, mineral substrates.
TYPICAL USES	Suited for the water repellent impregnation of porous, mineral surfaces. Penetrates deeply in porous, mineral substrates no visible formation of a film water vapour permeable significantly reduces the uptake of water. May be used over suitably prepared unpainted surfaces, including: Tilt Slab, Concrete, Concrete Blocks, Precast Concrete, Plaster, Fibre Cement, Stone and Brick.
ENVIRONMENT	Interior/ Exterior
PERFORMANCE	Trueprep Silane Primer reacts with the interfaces in pores and capillaries of the mineral substrate and forms an invisible, water repellent barrier. It penetrates deeply in porous, mineral substrates, provides vapour permeable protection while reducing the uptake of water.
LIMITATIONS	Do not apply if the air and surface temperature during application and drying is likely to fall below 10°C. Should not be applied if temperatures are below 10°C or above 35°C. Maximum Relative Humidity 80% Dry time may be impeded if the relative humidity is high. Not suitable for surfaces subject to foot or vehicle traffic. Apply only to dry substrates and under good drying conditions, to achieve best transparency. Damp or not fully cured substrates can lead to defects in subsequent coats, such as blistering or cracks. Harmful weathering influences are, for instance, frost, rainfall, or condensate, as well as forced drying by intense, direct solar radiation.
TECHNICAL DATA	Resin: Acrylic Product Type: Silane Sealer Solvent: Water Appearance: Clear Colour: Mid Grey Primer: Not applicable Durability: Excellent Thining and Clean Up: Water Pack Size: 10 VOC: 40 g/litre Vol Solids: 0 percent Touch Dry: 60 minutes @20°C Recoat Time: 2-4 Hours @20°C Number of Coats: 2 to 3 Theoretical Coverage: 3 m^2/litre/coat Wet Film Thickness: 300 microns Dry Film Thickness: 0 microns
SPREAD RATE	1-5 - m^2/litre/coat Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.
PRODUCT CODES	A91002CTL.10

SURFACE PREPARATION

Cementitious-New Unpainted

It is strongly recommended that plaster and concrete is left to age for at least 28 days before coating to allow the concrete to fully cure before application. It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity.

The method of preparation work (Grinding, media/soda blast, or UHP blasting, acid etching, sanding or other) must be discussed and documented separately. Generally, a full grind to remove existing contamination and profile the surface as above is recommended.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

Cementitious-Aged Unpainted Good

All surfaces need to be inspected once cleaned and power washed to fully establish the condition of existing surface prior to finally specifying the degree and type of preparation work.

It is strongly recommended that plaster and concrete repair work is left to age for at least 28 days before coating to allow the concrete to fully cure before application.
It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer INFORMATION SHEET: PS-C004 The Moisture Content of Concrete MAR 20

Moss and Algae: Any algae growth on surfaces must be killed off. The surface will need to be treated with TRUEPREP GREEN-KILL following the manufacturer's instructions. This could take multiple applications. Failure to do this and completely kill the roots of the algae that will have grown into the substrate could lead to paint failure and re growth in those areas.
All surfaces must be clean, and free from dirt, grease, and any other surface contaminant.
Clean with TRUEPREP SURFACE CLEAN following instructions, power wash (min 3500 psi) to remove residue and any loose material.
The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity.
Surface preparation: The method of preparation work (Diamond Grinding, media/soda blast (sweep blasted with fine grit), UHP blasting, or other) must be discussed and documented separately, to ensure the correct surface profile is achieved before painting.
Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer INFORMATION SHEET: PS-C005 Repair of Concrete Defects Mar 20

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APPLICATION

(Refer to "Surface Preparation and Paint Systems" for full details). To ensure a successful application all surfaces to be coated must be clean, dry, and stable.

Note: Commencement of work on a surface means in general you accept that surface. If any doubt about condition etc. see advice.

ALL SURFACES:
Before applying primer, ensure surfaces are free of dust, dirt, moss, by washing with water detergent mix and/or algaecide, rinse well and allow to dry thoroughly. Cleaning methods include honing, chemical cleaning, and water blasting.

Application quantity is dependent on the absorbance of the substrate and the desired penetration depth. Very absorbent substrates may require up to 1 Litre/m2. To determine the exact amount to be applied a sample may assist as the porosities of mineral material substrates vary.

BARE CONCRETE, CONCRETE BLOCK, PLASTER, BRICK:
Notes:
- Do not apply during strong wind or when rain is imminent.
- Two wet on wet coats required. On vertical surfaces the solution should run down in visible descending wet curtain achieved by allowing the solution to flow against the surface of the building material without pressure.
- Do not atomize Trueprep Silane Primer or apply with a brush.
- Be careful to apply continuously without a break to avoid overlapping.
- Apply with low pressure spray with roller/brush to lay off, or Airless spray.
- Ensure surface is dry, clean, and free from any contaminants including dust.
- Apply two flood coats, Wet on Wet. If required, leave 5 days before overcoating with TUFFCOTE CEMENTITIOUS CLEAR GLOSS.

THINNING

Water

ENVIRONMENTAL

This formulation uses the latest technology with low toxicity, ensuring environmental issues are not compromised. DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET

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