TL-Primer 280

Aliphatic polyurethane bonding primer — adhesion primer for TL-Stone2800 resin-bound stone, on concrete and mineral substrates

Description

One-component, solvent-based aliphatic polyurethane primer that cures with air moisture. It penetrates and consolidates mineral substrates and bonds the TL-Stone2800 resin-bound stone. Being aliphatic, it does not yellow under UV, so it is suitable for light-coloured aggregates.

Applications

- Concrete slabs and screeds, indoors and outdoors
- Porous mineral substrates: exposed-aggregate concrete, cement screed
- Steel and other substrates after suitable preparation
- Primer for the TL-Stone2800 system, for pedestrian and vehicle areas alike
- Roller or brush application

For professional use only.

Working conditions

- Air and substrate temperature: +5 °C to +30 °C
- Substrate at least 3 °C above dew point, to avoid condensation and ensure proper curing
- Substrate moisture < 4% by weight, no rising damp
- Concrete more than 30 days old
- Do not apply in rain or if rain is forecast before drying is complete
- In very dry weather, curing is slower

Substrate assessment and preparation

- Sound, clean, dry and cohesive substrate
- Remove friable or weak material, laitance, oil, grease, release agents and old coatings
- Shot blasting or grinding, followed by thorough vacuuming
- Carry through all substrate joints and cracks (see TL-Stone2800 system data sheet)

Physical properties

PROPERTY	VALUE
Type	one-component, solvent-based aliphatic polyurethane
Appearance	yellowish liquid
Relative density	0.957
Solids content	≈ 70% by weight
VOC content	287 g/L (30% by weight)
Flash point	≥ 39 °C

The information in this sheet is based on our tests and knowledge at the date of issue and is not a commitment. The project manager or installer must check that the product suits actual site conditions. Any claim must be accompanied by the original packaging for traceability. Read the safety data sheet before use.

Instructions for use

TL-Primer 280 — application, storage, safety

Instructions for use

1. Ready to use: mix thoroughly before use.
2. Apply a thin, even coat by roller or brush, with no build-up or puddles: excess product can form bubbles as it cures.
3. Very porous substrates: apply a second coat if the first is fully absorbed.
4. Lay TL-Stone2800 on the primer within the stated time. Once this is exceeded, lightly sand and reapply the primer.
5. Reseal the container tightly after each use: air moisture cures the product in the container.
6. Tool cleaning: organic solvents (ethyl acetate, methyl ethyl ketone) while the product is fresh. Once cured, mechanical removal only.

Approximate consumption: 0.2 to 0.4 kg/m² depending on substrate porosity

Packaging and shelf life

- 20 kg container, ready to use
- 6 months from manufacture, in intact, unopened original packaging
- Store between +5 °C and +25 °C in a dry, ventilated place, away from sunlight, heat and any source of ignition
- An opened container does not keep well: use it promptly

Health and safety



- Contains isocyanates. May cause an allergic skin or respiratory reaction.
- Flammable liquid and vapour. Causes skin irritation and serious eye irritation. Harmful if inhaled.
- Diisocyanate handling training mandatory since 24/08/2023 (Regulation (EU) 2020/1149)
- PPE: A2 filter mask, nitrile or PVC gloves ≥ 0.35 mm, goggles, full-cover clothing, antistatic safety footwear
- Work in a ventilated area, with no flames or sparks
- Transport: UN 1993, class 3, packing group III
- Safety data sheet available on request

RELATED PRODUCTS

TL-Stone2800
Aliphatic PU resin for resin-bound stone

TL-G01 to TL-G10
Terraludis aggregates and blends

Edge profiles
Transition and joint, aluminium or stainless steel

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