

GREINPLAST P70LD

TILE & STONE ADHESIVE

Flexible bonding, white finish, low dust emission



PRODUCT OVERVIEW

Adhesive mortar for bonding of ceramic tiles and stone; leaves a flexible bonding with a white finish and features a low dust emission while processing. Classification: thin-set water and frost-resistant cement with elevated strength; type C2TE.

COMPOSITION

Mixture of: white Portland cement, a dispersion of powdered polymers, aggregate and mineral fillers with fibres and dedicated processing and strength improvers. Manufactured with the Greinplast Low Dust technology for safer processing.

INTENDED USE

The product is intended for adhesive bonding of discolouration-prone ceramic tiles and units made from natural or synthetic stone, marble, glass mosaic modules, and other types of tiles with increased water absorption, terrazzo, and stone façade tiles to sound mineral-based substrates, including substrates with underfloor heating. A high substrate adhesion of the product also permits bonding of less water-absorbing tile types, including Gres (fully vitrified tiles). The adhesive is resistant to freezing and water once it has set and fit for indoor flooring finish and wall cladding, including dry and periodically humid rooms, and for bonding on sound substrates outdoors.

PACKAGING

Unit packaging: 25 kg / 5 kg bags
Bulk packaging: Shrink-wrap pallet: 42 x 25kg / 210 x 5kg

TOOLS REQUIRED

Low-speed electric drill, cage agitator, notched trowel with the notch size compatible with the tile/stone type to be bonded, spatula. Clean all tools directly after use.

SUBSTRATE PREPARATION

Substrate preparation: Substrate preparation: The substrate must be level, sound, strong, and free from any material which could inhibit adhesion. Standard substrates, including traditional render and cement floors require no special pre-treatment, although they need to have been cured for a minimum of 28 days (and 90 days for concrete substrates). Non-uniform substrates with areas varying in absorbability must be primed with a suitably diluted GREINPLAST U primer at least 4 hours before bonding the tiles. Priming is obligatory for drywall panels and cellular concrete.

APPLICATION

Prepare the adhesive mortar: Add the packaging contents (25 kg) to approx. 6.75-7.25 litres of clean and cool water. Next, stir vigorously until a uniform mixture is obtained without any lumps. Leave the mixed mortar to stand for 5 minutes (for the polymers and all additives to dissolve). Next, stir again. Bonding of tiles: Spread the prepared adhesive to the substrate with a notched trowel of a suitable size. Next, apply the tiles to the spread adhesive by pressing them down. If the prepared adhesive is past its pot life and does not bind the tiles, remove it and reapply a fresh portion. Apply the adhesive dosage per tile so that it adheres to at least 65% of the tile surface. The adhesive coverage per tile must be 100% in outdoor applications. You may start pointing the tiles after 48 hours from bonding. Adhesively bonded flooring can be loaded with normal traffic after 48 hours from bonding.

RECOMMENDATIONS AND NOTES

The substrate and ambient temperatures during application and setting shall be between +5°C and +30°C. The optimum application temperature is +20°C. The processing and setting times specified above will be extended at unfavourable temperatures and relative humidity levels. Anhydrite and cement screeds over underfloor heating must be held at temperature for

long enough in between the successive work stages. Damp indoor rooms and indoor areas exposed to water should be secured with a waterproof barrier. Use the following liquid waterproofing membrane: Greinplast IC, Greinplast I2S lub Greinplast I1K. Patios and balconies should be waterproofed with Greinplast I2S or I1K. The peripheral and surface expansion joints must be made carefully and thoroughly sealed. When applying on narrow areas, the long side shall be twice the short side in length. Point the bonded tiles once the adhesive mortar has fully set, which takes a minimum of 48 h; otherwise the pointing may become discoloured. Clean all tools with water directly after use. The packaging labels provide specifications for the optimum application of the product; no liability of the product manufacturer shall be assumed from the packaging labels, as the processing and application conditions are beyond its reasonable control. Do not modify the composition of this product, as it may significantly reduce its performance.

TECHNICAL SPECIFICATIONS

Indicative yield:	2.0 to 4.0 kg/m ² **
Initial setting time	≥ 5 min
Pot life [EN 12004:2007+A1:2012]	≥ 30 min
Time to use	ca. 120 min.*
Adhesion to substrates [EN 12004:2007+A1:2012]	
- initial	≥ 1.00 N/mm ²
- immersed in water	≥ 1.00 N/mm ²
- following heat ageing	≥ 1.00 N/mm ²
- following repeated freezing	≥ 1.00 N/mm ²
Pointing	after 48 hours
Flow [EN 12004:2007+A1:2012]	≤ 0.50 mm
Water volume to 25 kg of the product	6.75 to 7.25 L
Bulk density	ca. 1.3 kg/dm ³
Application temperature	+5 °C to +30 °C
Reaction to fire class	A1
Chromium(VI) content	< 2 ppm

* The actual value depends on the temperature, type and water absorption of the substrate.
** Depending on the substrate and the trowel notch size.

HEALTH AND SAFETY

Causes skin irritation. May cause skin sensitization. Causes serious eye damage. May cause respiratory irritation. Keep out of the reach of children. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust. IF ON SKIN: Rinse with soap and plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Follow the product SDS.

STORAGE

Keep in original and undamaged containers. Store dry for a maximum of 12 months from the production date. See the product container for the production date, sort, and production lot.

STANDARDS, CERTIFICATES & DECLARATIONS

NIZP-PZH Hygiene Certificate no. HK/W/0685/01/2017, valid until 2020-11-17

NIZP-PZH Radiation Hygiene Certificate no. HR/B/37/2015

Greinplast P70LD has been assessed per the following reference standard: EN 12004:2007+A1:2012 (PN-EN 12004+A1:2012)