



Porcelain Plus Green

Eco Friendly Deformable Premixed Polymer modified Cementitious Tile Adhesive

Uses

- Tile adhesive to lower carbon footprint of buildings
- Cementitious Adhesive for Porcelan Slabs
- Adhesive for Large Porcelain Tiles
- Suitable for Marble, Granite, Mosaic and Ceramic tiles

Product Description

Porcelain Plus Green is an Eco Friendly and CO₂ Emissions reduced Green deformable cementitious adhesive with improved characteristics, slip resistance, and extended open time (as per ISO-13007-1 class C2TE S1 description). It consists of OPC, carefully selected aggregates, fillers, and functional additives, the product contains 15% recycled content. The white powder product is pre-bagged, ready to use, and suitable for all porcelain tile formats and most known substrates. It also has excellent deformation properties and outstanding adhesion strength.

Advantages

- Factory-controlled pre-blend ensures consistently high quality.
- Deformable, No loss of Bonding due to Stress
- Ease of Mixing & Application
- Water and Weather Resistant
- Excellent Open Time and Workability.
- Suitable for Wet and Dry areas.
- Can be applied Vertically and Horizontally.
- Climate Friendly, Reduced Carbon Emissions.
- Sustainably Resourced from Regional Materials.
- Very Low Emissions of VOC
- Compliance with Green Building Standards

Standards Compliance

- ISO 13007-1 C2TE S1
- BS EN 12004-1 C2TE S1
- ANSI A118.4 and A118.15

Technical Data

Porcelain Plus Green	Typical Values @ 25°C
Appearance	White or Grey Powder
Aggregate Size	0.6 mm max
Application Thickness	4 - 10 mm for Walls 4 - 20 mm for Floors
Dry Density	~ 1.30 kg/L
Wet Density	~ 1.60 kg/L
Mixing Ratio	30 - 34% (W/P)
Pot life	2 hours (@ 23 C°)
Adhesion Strength	
Normal Conditions	≥ 1.0 MPa
Water Immersion	≥ 1.0 MPa
Heat Aging	≥ 1.0 MPa
Freeze-Thaw ISO 13007-2	≥ 1.0 MPa
Deformation ISO 13007-2	Deformable ≥ 2.5 mm and < 5 mm
VOC	< 5 gm/L.
Recycled Content	15 %

Usage Instructions

Surface Preparation

The surface should be sound, clean, and free from loose material, oil, grease, laitance, dirt, curing compound, etc. Dry and absorbent surfaces must be moistened. Ensure that the surface is solid for tiling – especially when the tiles are very large.

Mixing

Into a container, pour 7.5 – 8.5 liters of water then add 25 kg of Porcelain Plus Green powder and mix using a low-speed electric drill fitted with a suitable paddle until a uniform, lump-free consistency is achieved. Leave the mixed material to mature for about 10 minutes and remix briefly without adding further water before use.

Use the mixed material within max. 2 hours.

Application

Apply Porcelain Plus Green on the substrate by using a suitable trowel depending on the tile size (preferably a 12 mm notched trowel for a slab), then comb it in one direction. Apply Porcelain Plus Green on the slab's backside using the flat edge of the trowel (Back buttering), do not comb. Install the slab in its place then tap and press firmly (or use a tile fixing vibrator) to ensure that the tile is sitting on the substrate with the maximum coverage and contact between the tile's back and the adhesive on the substrate.

Do not apply Porcelain Plus Green on an area that takes more than 15 minutes to be tiled!

A useful practice to check the application efficiency is to remove a slab after application directly and observe the contact surface (adhesive on substrate and slab's back), this can be done randomly as per the applicator's point of view and then reinstalled again (this should always be done for the first slab so that the applicator will have an idea on how much adhesive needed for the best contact).

Recommended coverage to be more than 100%. The slab position can be adjusted without losing any adhesion for 15 minutes.

Leave installed tiles undisturbed for at least 24 hours. Porcelain Plus Green must not rise between the tile joints higher than half to two-thirds of the thickness of the porcelain slab tiles. It is recommended to use Vetonit Tile Grout to fill the joint gaps 2 days from tile installation.

Legal Disclaimer

Saveto endeavors to ensure that any advice, recommendations, information it may give is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products because it has no direct or continuous control over where or how its products are applied, whether or not following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical data sheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Notes:

- Low temperatures and high air humidity will retard the curing and drying process and vice versa.
- The best coverage can be achieved on flat surfaces

Cleaning

Clean tools and equipment with water immediately after use. Remove the hardened material using mechanical means.

Packaging & Coverage

Product	Pack Size	Coverage
Porcelain Plus Green	25 kg Bag	2.2 - 2.6 m ² at 6 mm thickness

Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed bag of Porcelain Plus Green has a shelf life of 12 months, provided it is stored off the ground in a dry, shaded place at a temperature below 35°C.

Health & Safety

Porcelain Plus Green is highly alkaline; therefore, avoid direct contact with the eyes or skin. It is recommended to use protective gloves and goggles during application. Any skin contact should be washed with soap & water. In case of eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice.

Porcelain Plus Green is non-flammable.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.