

PG 1100 S2

Highly Flexible Polymer Fiber Modified Special Adhesive Mortar for Installing large format vitrified tiles, composite Marble/Quartz (Engineered Stone) and Natural Stone Slabs with high safety reserves.

Characteristics:

- C2 TE S2 compliant with EN 12004 standard.
- IS 154007 : 2019 TYPE 4/ EN 12004 : 2017 CLASS S2
- For large format tile, marble and natural stone with size like 800x1600mm, 800x2400mm, 800x3000mm, 1200x1200mm, 1200x800mm, 1200x2400mm, 1600x3200mm.
- For use in Indoor, Outdoor and difficult substrates .
- Application up to 15mm.



Natural Stone



Heated Floors



Balconies & Patios



Wall & Floors



Large Tiles



Humid & Water Areas



Indoor & Outdoor Use



Tile On Tile



Low Dust



Difficult Substrate



Critical



Super Elastic

Scope Of Use:

Powergrace S2 is a highly deformable adhesive mortar with a deformation of more than 5mm (Class S2) for the highly load bearing, cavity-free installation of:

- Vitrified tiles and slabs as well as porcelain stoneware.
- Cast concrete slabs.
- Natural stones with a low tendency to discolor.
- Glass tiles, glass mosaics and mosaics.
- Synthetic resin bonded slabs (agglomerate slabs).
- Powergrace S2 is suitable for indoors and outdoors using the thin-bed or medium-bed method.

Especially useful for the reliable installation of large tiles and slabs thanks to the very high adhesive tensile strength and the stress-absorbing properties. Also, for use on thin slabs made of porcelain stoneware with or without fiber glass mesh on the back.

Powergrace S2 ensures a highly flexible adhesive bed and prevents shear stresses, especially on difficult substrates.

For indoor and outdoor use, e.g. on:

- Heated screeds and panel heating systems, cellular concrete, dryscreeds, balconies, terraces and facades.
- stiff wooden floor boards

Applications:

- Powergrace S2 with clean, clear water and stir until the mixture is completely free of lumps. Leave the mortar to mature for approx. 5 minutes and then stir again. If necessary, add small amounts of water until the desired consistency is reached.
- Apply Powergrace according to the generally recognized rules of the thin-bed resp. medium-bed method or use the buttering-floating method.
- Allow for a skin formation time of approx 40 minutes.
- Use a trowel with a suitable notch size to ensure cavity free placement of the tiles and slabs. After the pot life has expired and the mortar begun to set, do not attempt to re-temper them or try by adding water and stirring again.

General Data:

1. Color: Grey and White
2. Pack Size: 20Kg Bag
3. Base: Synthetic resin, modified cement combination with fillers

Technical Data:

1. Bulk Density: Grey: 1.40g/cc
2. Mixing Proportion: Grey: 4.0-4.5L of water, (20% -24% by weight) for 20Kg bag
3. Slip Resistance/ Vertical Slip (T): >0.5mm
4. Open Time: 40 min
5. Pot Life: 4 hrs.
6. Achieved Thickness: Up to 15 mm
7. Application Temperature: From +5°C to +35°C
8. Grouting: After approx. 24hrs
9. Adhesive tensile strength:
(According to EN 12004 standard)
 - Initial dry condition(after 28 days): >1.0 N/mm²
 - After water immersion: >1.0 N/mm²
 - After heat ageing: >1.0 N/mm²
 - After freeze / thaw cycles: >1.0 N/mm²
(According to IS 15477-2019 standard)
 - Dry condition: >1.5 N/mm²
 - Wet condition: >1.0 N/mm²
10. Shear Adhesion Strength:
(According to IS 15477-2019 standard)
 - Dry condition: >1.5 N/mm²
 - Heat aging condition: >1.0 N/mm²
 - Wet condition: >1.0 N/mm²
11. Deformation: >5.0 mm (S2 according to EN 12004 / IS 15477-2019)
12. Temperature resistance: From -30° C to +75° C
13. Coverage: Consumption may vary depending on the evenness on the substrate, trowel notch size, Type of tiles / stone and the application technique.
14. Approximate consumption: As a guide: 1.2Kg/ m² / mm of thickness
15. Shelf life: Until 12 months since the date of stored in undamaged dry conditions and original Packaging.



The product is compliant with the EN 12004 / ISO 13007 and IS 15477 - 2019 standard.