

# POLYSTAR 1000

POLYFILL GREY



## Description:

Cement based grout for 1 to 6 mm joints.

## Fields of Application:

- Interior floor and wall grouting of ceramic tiles, marble, natural, stone glass mosaics, for 1-6 mm joints.

## Properties

- A smooth final surface.
- Good abrasion resistance.
- Low shrinkage, therefore absence of cracks and fissures.
- Available in 16 different colors.

## Storage:

- Store in dry medium. Do not stack more than 10 bags on top of each other. Packaging
- 20 kg multi-ply paper bags.
- 1 kg, 2 kg and 5 kg polyethylene bags.

## Application:

- Before grouting, wait until the adhesive has completely set.
- Wet the joints with clean water when using very porous ceramic tiles in high temperatures and in the presence of wind.
- Pour 25 kg of POLYFILL into 7.5 litres of clean water slowly and mix to obtain a homogeneous paste free from lumps. (A low speed mixer is recommended to mix). Amount of water should be precisely measured. Do not add any additive which is not mentioned in the instructions for the application. Excess water can cause cracking, low abrasion resistance and colour defects.
- Allow to stand for 5-10 minutes to mature. After 1-2 minutes remixing, the paste is ready for application.
- Fill the joints completely with POLYFILL using the appropriate rubber trowel, making sure the joints are completely compacted. Remove excess POLYFILL from the surface moving the float diagonally across joints.

- The joints must be clean, free of dust and raked back to at least 2/3 of the tile thickness.
- When the mixture loses its plasticity and becomes matt, usually after 10-20 minutes, clean the surface with a damp sponge working diagonally to the joints. If cleaning is carried out when the mixture is still plastic, the grout may be dragged from the joint leading to colour variations.
- Any residue left can be cleaned from the surface with a clean dry cloth.
- If the surface of walls and floors are still contaminated with POLYFILL use SERACARE Cement Remover to clean, at least 10 days after grouting the joints.
- Dispose mortars of which pot life is expired.
- Clean tools and containers with plenty of water before POLYFILL hardens.
- When applying POLYFILL in extremely hot, dryer windy climates, it is recommended to wet the joints after several hours to improve the final performance.

## Warnings:

- Since contains cement, irritating to eyes, respiratory system and skin. For further information refer to safety data sheet.

Technical Properties	
(at 23°C and 50% RH)	
General Data	
For POLYFILL 1000	
Appearance	Grey Powder
Shelf Life	12 months when stored in original sealed packing in dry
Application Data	
Application Temperature Range	(+5°C) - (+35°C)
mixing Ratio	7.5 lt water / 25 kg powder / 1.5 / 5 kg
Port Life	Approximately 1 hrs.
Set to Light Traffic	24 Hrs.
Consumption	See consumption table depending on width of the joints and dimensions of the tile
Performance Data	
flexural strength (EN 12808-3)	≥ 2.5 N/mm <sup>2</sup>
compressive strength (EN 12808-3)	≥ 15 N/mm <sup>2</sup>
flexural strength (after freeze/thaw cycles) (EN 12808-3)	≥ 2.5 N/mm <sup>2</sup>
compressive strength (after freeze/thaw cycles) (EN 12808-3)	≥ 15 N/mm <sup>2</sup>
Shrinkage (EN 12808-4)	≥ 3 mm/m
Abrasion Resistance (EN 12808-4)	≥ 1000 mm <sup>2</sup>
water Absorption after 30 min / 4 hrs. (EN 12808-5)	≥ g gr / ≥ 10gr.
service Temperature Range (after final cure)	(-20°C) - (+70°C)