

## PLYSET TILE-FILL

### ▪ Description

Cement-based, silicone-modified joint grout with high water-repellency and high abrasion resistance.

### ▪ Application area

-Used to fill 0-6 mm joints between ceramics, tiles, natural stone, granite, marble and similar covering materials, indoors and outdoors.

-Provides excellent results in horizontal and vertical applications indoors.

### ▪ Application properties

-Pot life: max. 1 hour

-Hardening time: 12 hours

-Time before opening the floor to traffic: 24-48 hours

-Available in 30 different colors.

### ▪ Surface preparation

-Surfaces where joint filling will be applied must be cleaned of dust, dirt, oil and other residues that may impair adhesion.

-The substrate must not be excessively dry and must not be sweating.

-When using highly absorbent covering materials, joints must be moistened with clean water during application in hot, windy weather.

-At high ambient temperatures, sudden water loss after application may cause settlement, surface roughness and cracking.

### ▪ Application conditions

-Ambient temperature between +5 °C and +35°

-Must not be applied on frozen or thawing surfaces, or on surfaces at risk of frost within 24 hours.

-Must not be applied under direct sunlight, strong wind or on hot surfaces.

### ▪ Warnings and Recommendations

-Foreign substances must never be added.

-After application, all tools used must be washed with water before drying.

### ▪ Application tools

Hand mixer, trowel, rubber-tipped trowel, sponge-tipped trowel, squeegee, brush

### ▪ Application

-The mixing container must be clean and free of residues from the previous batch.

The cleanliness of the water and materials used must be ensured.

-The mortar must be prepared at a ratio of 7-7.5 liters of water to 20 kg of PLYSET TILE-FILL.

-First add water to the container, then slowly sprinkle in the powder. Mix until no lumps remain.

A low-speed mixer must be used to homogenize the mixture.

-After obtaining a homogeneous mixture, let it rest for 4-5 minutes. Mix again for 1-2 minutes before starting the application.

-Once the mixture is homogeneous, no powder, water or other substance must be added.

-Spread the prepared mortar over the surface and fill the joints thoroughly using a rubber trowel or spatula, first in parallel and then in cross-wise motions.

-As soon as the joint filler begins to dry on the surface, the material is cleaned off with circular motions using a damp sponge.

-Once the surface is dry, clean it thoroughly with a dry cloth.

-Finally, polish with a cloth.

-The prepared mortar must be used within 1 hour.

Mortar in the container that has exceeded its pot life or has crusted over must be discarded.

-After application, hands and tools must be washed thoroughly with water.

-The application area must be put into use at least 24-48 hours after application.

### • Performance Information

-Abrasion resistance:  $\leq 1000 \text{ mm}^3$

-Flexural strength after dry storage:  $\geq 2.5 \text{ N/mm}^2$

-Flexural strength after freeze-thaw cycles:  $\geq 2.5 \text{ N/mm}^2$

-Compressive strength after dry storage:  $\geq 15 \text{ N/mm}^2$

-Compressive strength after freeze-thaw cycles:  $\geq 15 \text{ N/mm}^2$

-Shrinkage:  $\leq 3 \text{ mm/m}$

-Water absorption (after 30 min):  $\leq 2 \text{ g}$

-Water absorption (after 240 min):  $\leq 5 \text{ g}$

-Note: Application properties values were obtained from laboratory tests (23 ± 2 °C and 50% ± 5 humidity, with no air movement) and may vary under different environmental conditions. Performance information values were measured under the conditions specified in the relevant product standard and may vary under different conditions.

▪ **Consumption**

Tile size	Joint depth	Joint width (mm)		
		4mm(g/m <sup>2</sup> )	5mm(g/m <sup>2</sup> )	6mm(g/m <sup>2</sup> )
200x200	7	500	620	740
250x250	7	400	500	600
300x300	8,5	400	500	600
300x600	9	320	400	480
330x330	7	300	380	450
330x500	9	320	400	480
400x400	9	315	400	480
600x600	12	280	350	420
150x300	15	1050	1350	1650
250x250	15	850	1050	1250
300x300	18	850	1050	1250

• **Reference Standards**

-EN 13888 / Class: CG2WA

• **Packaging**

-20 kg in Kraft bag

-64 pieces per pallet, 1280 kg

▪ **Physical state**

-30 different colors (see grout color chart in the construction chemicals catalog), powder

• **Storage Conditions**

-During storage, no more than 10 Kraft bags should be stacked.

-Storage must be in covered areas, away from direct sunlight.

-Bags must be stored off the ground and protected from moisture.

-Under these conditions, the product can be stored for 12 months from the date of production. -Improper storage conditions or exceeding the shelf life may impair the product properties.