



PELESET

Water-repellent tile grout for joints 2 – 6 mm

CG2WA EN 13888

Description

PELESET is a cement-based grouting for interior and exterior use, classified as CG2WA, cementitious (C), mortar for grouting (G), improved (2), with reduced water absorption (W) and high resistance to abrasion (A), according to European Standard EN 13888. It exhibits high mechanical strength, high abrasion resistance and low water permeability and provides a smooth final surface with excellent water-repellant properties, low-shrinkage and high colour uniformity. It is ideal for joint grouting of all types of ceramic tiles, marble, granite, terracotta, stone material, mosaics etc.

Technical Specifications

Available colours	: White, Grey, Beige, Brown
Dry density	: $\approx 1.10 \text{ Kg / L}$
Mixing ratio (water / PELESET)	: $1.60 - 1.80 \text{ L / 5 Kg}$
Substrate temperature	: $+5^\circ\text{C min. / } +35^\circ\text{C max.}$
Application temperature	: $+5^\circ\text{C min. / } +35^\circ\text{C max.}$
Compressive strength	: $> 15.00 \text{ N / mm}^2$
Flexural strength	: $\geq 2.50 \text{ N / mm}^2$
Abrasion resistance	: $\leq 1000 \text{ mm}^3$
Shrinkage	: $< 3 \text{ mm / m}$
Water absorption after 30 minutes (EN 12808-5)	: $\leq 2 \text{ g}$
Water absorption after 240 minutes (EN 12808-5)	: $\leq 5 \text{ g}$
Pot life	: At least 2 hours at 23°C

CONSUMPTION

The consumption depends on the dimensions of the tiles and the desired joint width. Indicatively, consumption rates (Kg / m^2) according to the tile dimensions and the joint width are given on the following table:

Tile dimensions (mm)	Joint width (mm)				
	2	3	4	5	6
Mosaic 25 x 25 x 3	0.77				
100 x 100 x 7	0.45	0.67	0.90	1.12	1.34
300 x 300 x 10	0.21	0.32	0.43	0.53	0.64
300 x 600 x 10	0.16	0.24	0.32	0.40	0.48
400 x 400 x 10	0.16	0.24	0.32	0.40	0.48
600 x 600 x 10	0.11	0.16	0.21	0.27	0.32
750 x 750 x 10	0.09	0.13	0.17	0.21	0.26
150 x 900 x 10	0.25	0.37	0.50	0.62	0.75
150 x 1200 x 10	0.24	0.36	0.48	0.60	0.72
1000 x 1000 x 10		0.10	0.13	0.16	0.19
1200 x 600 x 10		0.12	0.16	0.20	0.24
1200 x 1200 x 10		0.08	0.11	0.13	0.16
3000 x 1000 x 6				0.06	0.08

For other dimensions, use the following formula:

$$\frac{A + B}{A \times B} \times C \times D \times 1.6 = \text{Kg/m}^2$$

A = Length of tile in mm
B = Width of tile in mm
C = Thickness of tile in mm
D = Width of joint in mm

- Grouting of internal and external walls.
- Grouting of internal floors and floors with underfloor heating in houses, hotels, café etc.
- Grouting of external floors in verandas, balconies, and terraces.
- Grouting of floors with intense traffic such as airports, shopping centres, public buildings, hotels etc.
- Grouting of floors and walls in bathrooms, showers, swimming pools (not heated) and other wet areas.

SUBSTRATE PREPARATION

The tile surface must be free of dust, oils, dirt and tile adhesive or other building materials residues. Joints must be also clean and there should be empty at a depth of at least 2/3 of the thickness of the tile. In case of absorbent tiles and especially at high temperatures (up to 35 °C) or strong wind, keep the surface of the tiles and joints slightly damp using a damp sponge, but make sure that there is no standing water inside the joints.

MIXING

All equipment and containers should be clean, free of dust, residues of previous mixtures and/or other building materials, etc. to not adversely affect the setting time and the mechanical properties of the product.

Depending on the desired consistency, mix 5 Kg (1 bag) of **PELESET** with 1.60 – 1.80 L of clean potable water. Mix using a low-speed electric stirrer for at least 3 minutes, until a homogeneous, free of lumps mixture is achieved and the right consistency is obtained. Allow the mixture to settle for approximately 5 minutes and then stir again.

The pot life of the mixture is at 2 hours depending on the weather conditions. In this case, stir the mixture regularly, without adding additional water.

APPLICATION CONDITIONS

Use **PELESET** only at temperatures between +5°C and +35°C. During periods of low temperatures (5 – 10°C), it is advisable that warm water (approx. 30°C), is used for the mixing and if possible, the application to be performed during noontime. On the contrary, use cool water (approx. 20°C), for the mixing during high temperatures (up to 35°C) and if possible, the application to be performed in the coolest hours of the day (early in the morning or late in the afternoon hours) avoiding the direct sunlight.

APPLICATION

Application on vertical surfaces is done exclusively using a rubber grouting trowel while on horizontal surfaces, a rubber squeegee can also be used. During application, and while the mixture is still fresh, be sure to remove any excess grout from the surface of the tiles to make it easier later when cleaning and finishing the joint. The grouting takes place after the required setting time of the tile adhesive that has been used, as defined in its Technical Data Sheet.

FINISHING

Finishing is done after 15-20 minute (depending on weather conditions) and after joint surface loses its glossiness and becomes matt. At that time, use a hard or semi-hard damp sponge diagonally, to remove any excess mixture from the surface of the tiles and for finishing of the grouting. Ideally, use two buckets of water, so that in one you can remove the excess mixture and rinse the sponge, and in the other, there is clean water for wetting the sponge so that it can be used in the next area. Final cleaning can be done with a dry and clean cloth.

In case that finishing, and cleaning is carried out too early or too late, it is possible to cause damage to the surface of the grout, and as a result, you will notice difference in colour. Difference in colour may also occur, if cleaning water remains on the surface of the grout while it is still fresh.

Especially for exterior applications or during periods of high temperatures (up to 35 °C) and strong wind, a few hours after finishing, lightly wet the grouting by spraying water. Repeat water spraying every few hours for the first 48 hours.

CLEANING OF EQUIPMENT

Clean all tools and mixing equipment thoroughly with plenty of water after completion of work, while the mixture is still fresh. In case that the mixture has been set, then tools can be cleaned only by mechanical means

REMARKS / LIMITATIONS

- Grout with **PELESET** after the required time has elapsed, as specified in the Technical Data Sheet of the tile adhesive used.
- Always keep the same ratio of mixing water so that the colour result is uniform.
- Use only fresh, clean water for both mixing and cleaning.
- Avoid using material which was stored in open bags for a long period of time, as it may contain lumps or be contaminated.
- Never add water or new material to the mixture which has started to set to improve the workability.
- Do not add cement, gypsum, sand, or any other materials to the supplied product, as this may negatively affect the final properties of the product.
- Avoid using the product under extreme weather conditions (strong winds, direct sunlight etc.).

PACKAGING

5 Kg PE bags.

STORAGE

PELESET can be stored for 12 months from production date, in its original, unopened packaging in dry conditions. The storage place must be covered and protect the product from direct sunlight, water, and moisture, while the product must not be in direct contact with the floor.

Health and Safety Measures

- The product contains cement, which reacts as alkaline with water, moisture, sweat and/or other body fluids so it is classified as irritant. Follow normal precautions as with all cementitious materials and products.
- Harmful in contact with skin.
- Harmful if inhaled or if swallowed.
- May cause respiratory irritation.
- Keep out of reach of children.
- Wash body and clothes thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear respiratory protection.
- Please refer to Safety data Sheet for more information and advice regarding the safe handling, storage, use and disposal of the material.

Note 1: All Technical Data provided on section "Technical Characteristics" are based on laboratory trials and tests, under conditions which may significantly differ from the ambient application conditions. Therefore, the actual technical characteristics may vary due to conditions or circumstances beyond company's control.

Note 2: The information provided by our Technical Data Sheets or given by our employees, agents or distributors concerning the use of our products, is based upon extensive research and experience and are provided in good faith in order to help you. We guarantee the consistent high quality of our products; however, as we have no control over site conditions of the executions of work, we cannot accept any liability for any loss or damage, which may arise as a result thereof.

Note 3: All cement-based products, must be stored in dry sheltered places, on wooden pallets. Even under these circumstances, the products are influenced by the atmospheric moisture after a period of time. Since this period is not defined or standard, we strongly advise our customers not to use hardened products or if, generally, its quality due to storage is uncertain.