

SERVITILE GROUT®

High performance, one component, cementitious mortar for tile joint filling

Description

Servitile Grout is a **cement** based premixed tile joint filling mortar. The mix design includes graded high purity fine fillers, a synergistic blend of admixtures and redispersible powders. The mix contains no chlorides, ferrous metal or other deleterious materials. The product is pre-blended and ready for mixing on site to produce an easy to apply, homogenous mortar ideal for pointing ceramic tile joints up to 4mm. **Servitile grout** is classified as **CG2W** according to **EN13888** "improved (2) cementitious (C) mortar for tile joints (G), with reduced water absorption (W)"

Advantages

- Decreased capillary absorption
- Excellent adhesive bond strength
- Low shrinkage rate, reduced cracking possibilities
- Water resistant
- Excellent adhesion.
- Cost effective compared to resinous mortars.
- Easy to apply, saves time.

Uses

Servitile Grout is used to fill narrow joints up to 4mm such as:

- Filling narrow tile joints in all types of tiles for domestic used.
- Grouting narrow joints of glass mosaic and prefinished marble.

Standards & Specifications

Color	Grey / White
Setting time	initial setting : ≈ 3:00 hr at 23°C Final setting : ≈ 6:00 hr at 23°C
Pot life	120 minutes at 23°C
Toxicity	Non-toxic
Fresh density	1.8 Kg/L
EN13888 (CG2W) requirements	
Abrasion resistance (EN 12808-2)	≤ 2 000 mm ³
Compressive strength (EN 12808-3)	≥ 15 N/mm ² at 28days in standard conditions
Flexural strength (EN 12808-3)	≥ 2.5 N/mm ² at 28days in standard conditions
Shrinkage (EN 12808-4):	≤ 3 mm/m
Water absorption after 30 mins. (EN 12808-5):	≤ 2 g
Water absorption after 240 mins (EN 12808-5):	≤ 5 g

Package & Coverage

Servitile Grout is supplied in 25 Kg bags & 10 kg bags. Consumption may vary from 0.1 to 2.8 kg/m². It depends on the size and thickness of the tiles and on the width and depth of the joints. As a general rule, 0.45 kg of **Servitile Grout** will cover approximately 1 m² of floor or wall covered by tiles measuring 250x250x10 mm with gaps 3 mm wide between them. The equation below can be a guide for the approximate consumption rate:

$$\text{Consumption kg/m}^2 = \frac{(L+B) \times W \times D \times 1.8}{(L \times B)}$$

Where: **L** = length of tile (mm), **B** = breadth of tile (mm), **W** = width of joint (mm) & **D** = thickness of the tile (mm)



E.g. 250 x 250mm tile 10 mm deep, at 3 mm wide joint

$$\text{Consumption} = \frac{(250+250) \times 3 \times 10 \times 1.8}{(250 \times 250)} = 0.43 \text{ kg/m}^2$$

Allowance should be made for any possible wastage when estimating.

Application Instructions

Surface preparation

Allow the adhesive or foundation mortar used for gluing the tiles to harden properly according to the specifications of the technical data sheet. Thoroughly clean the joints to remove dust, flaking material and other dirt. Remove excess adhesive or mortar that has hardened. If the tiles and/or the substrates are highly absorbent or have been applied under very hot or windy conditions, wet the joints and then remove the excess water to avoid the formation of lighter-colored surface rings and stains.

Mixing

- In a suitable container add about 3.00 - 3.25L / 10kg bag or 7.50 - 8.00 L / 25kg bag, of potable water, and start mixing with a slow speed drill (350 - 450) rpm while adding gradually the content of the bag of **Servitile grout** for enough time to produce a homogeneous creamy mix. Then leave to stand for 5 minutes.
- Mechanical mixing is essential for a rapid and homogeneous mix.
- The right consistency varies according to the width of the joints to be grouted and on whether the product is to be applied to a wall or floor.
- Do not exceed the recommended quantity of water. Excessively fluid mixtures may leave surface rings and stains and are subject to excessive shrinkage upon drying, leading to reduced thickness, cracking and poor mechanical performance.

Application

- Fill the joints well using a rubber paddle and making sure not to leave voids or air pockets.
- Then scrape off the excess grout. Wait for the grout to start setting, then clean the tiles and finish the surface of the joints with a soft, moist sponge that must be rinsed frequently in clean water.
- Do not clean the tile before the grout has started to set otherwise part of the grout, still fresh, will be removed from the joints.
- When the grout is dry, clean the tiles with a clean, soft, dry cloth.
- The tools used for applying the grout may be cleaned with water before the grout hardens.

Precautions

- Protect the **Servitile Grout** bags from direct sunrays or any other source of heat before use, this can lead to a very fast setting.
- Avoid working on hot substrates or mixing with hot water.
- Stiffened mortar should never be remixed with water.
- Do not mix with dirty or murky water.
- Do not mix the product with other binders such as cement, hydraulic lime, gypsum, etc.
- Do not use the mixed product when it has already started to set. Therefore, always prepare quantities of mix which can be used within the pot life.
- **Avoid contact with gypsum or any other sulfates on substrate, mixing water or curing water in plastic state.**

Health and safety

Servitile Grout is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.

Storage & shelf life

Servitile Grout should be stored in normal temperature and closed shaded dry area in undamaged original packing. It is recommended to be re-tested after 6 months from the production date.

Technical support

For any technical support, please consult our technical office or representatives.