

Cement Based Tile Grout

Cement based, silicone-added, high-performance tile grout, developed with special polymer additives.

Advantages

- Smooth finish surface,
- High water repellency,
- High resistance to cracking
- Available in white and gray.

Areas of Application

It is used in indoor tile grouting applications of ceramics, tiles, natural stone, granite ceramic, marble and similar coating materials up to 6 mm width.

Technical Data

Abrasion Resistance (mm³)
≤ 2000

Compressive Strength (N/mm²)
≥ 15,00

Shrinkage (mm/m)
≤ 3,00

Flexural Strength (N/mm²)
≥ 2,50

Water Absorption 30 mins (g)
≤ 5

Water Absorption 240 mins (g)
≤ 10

Pre-application Surface Preparation

Care should be taken to ensure that the tile gaps are dry, intact and clean. To provide a homogeneous color and drying, dust, sawdust, construction cement residues, etc., which may be found between the gaps should be scraped off using a thin stick and cleaned with a brush before application. Tile gaps must be free to at least 2/3 of the tile thickness. When laying tiles, adhesives that overflow into the gaps should be removed while the grout is still fresh. Tiles with very high absorbency should be soaked with clean water in cases such as high temperature or windy weather conditions. Especially on walls, tile gaps should be moistened before application. The adhesive must be cured before grouting application.

Application Method

On an average of 6.20 – 6.60 liters of clean water, 20 kg of YAPBOND© JOINT should be added gradually. It should be mixed, preferably with a low-speed mixer or trowel, until a homogeneous mixture is obtained. Any substance that is not specified in the application instructions should not be added to the mixture. Adding more or less water than specified can cause cracking, dusting and discoloration.

The prepared mortar should be rested for 5 – 10 minutes to ripen. It should be mixed again for 1 – 2 minutes before starting the application. The mortar should be spread on the surface and filled with a rubber trowel with diagonal movements between the tiles and the excess should be scraped off and removed from the surface. When the material filled in the joint cavity loses its water and becomes dull, usually after 10-20 minutes, the surface should be cleaned with circular movements with the help of a damp sponge.

This period may be shortened in applications made in unsuitable environmental conditions such as direct sun and wind, among coating materials that have been in the sun or have high absorbency. When the wiping process is done prematurely or with a very watery sponge, fluctuation in color may occur. The sponge should be cleaned at frequent intervals. After making sure that the applied tile grout is dry enough not to drain from the tiles, the residues remaining on the surface should be cleaned with a dry cloth. After preparation, the mixture should be used within 1 hour.

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Post-application Care and Suggestions

To protect stain-sensitive, porous, and absorbent surfaces such as cotto, clinker, polished granite, and ceramic, apply a suitable surface protector before grouting. If grout residues remain on the surface due to improper cleaning, they can be removed using a cement remover 10 days after grouting, in accordance with the manufacturer's instructions. Discard mortar that has exceeded its pot life or has hardened in the container. After application, clean hands and tools with plenty of water while the grout is still fresh. In very hot, dry, or windy conditions, lightly sprinkling water on the surface a few hours after application is recommended to improve final performance.

Storage and Shelf Life

Should be stored in a clean, dry, and moisture-free environment, at a temperature between (+5)0C and (+35)0C, away from direct sunlight exposure. Must be protected against water, frost, and severe weather conditions. Should be stored in stacks of no more than 10 layers. Provided that the specified storage conditions are complied with, the storage life is a maximum of 12 months from the date of manufacture.

Consumption

Tile Size	Joint Gap Width			
	2 mm	3 mm	4 mm	6 mm
10 x 10	0,40 - 0,55 kg/m ²	0,60 - 0,80 kg/m ²	0,80 - 1,10 kg/m ²	1,20 - 1,60 kg/m ²
20 x 20	0,20 - 0,30 kg/m ²	0,30 - 0,40 kg/m ²	0,40 - 0,55 kg/m ²	0,60 - 0,80 kg/m ²
30 x 30	0,15 - 0,20 kg/m ²	0,20 - 0,30 kg/m ²	0,30 - 0,40 kg/m ²	0,40 - 0,55 kg/m ²
60 x 60	0,10 kg/m ²	0,10 kg/m ²	0,20 - 0,30 kg/m ²	0,20 - 0,30 kg/m ²

Safety Precaution Information

First, all necessary Occupational Health and Safety measures should be taken in the areas where the application will be done, and the procedures should be carried out by people who have technical knowledge and equipment. Occupational Health and Safety instructions must be followed in all applications. In accordance with the Occupational Health and Safety instructions, it is obligatory to use all occupational safety equipment such as work clothes, protective gloves/goggles/masks during the application. It is necessary to ventilate the work site. Warehouses and stock areas should not be approached with fire. Contact of the product with skin and eyes should be strictly avoided. In such a case, the area where the product comes into contact should be washed immediately with plenty of water, and medical help should be sought immediately. Food and beverages should also not come into contact with the product. The product should be stored and protected in places away from children. For more information, the Material Safety Data Sheet (MSDS) should be reviewed. In addition, the application of the product should be done by people with sufficient technical knowledge, equipment, and experience. The responsibility in this regard belongs exclusively to the user.

Legal Responsibility

All information provided in this information sheet is advisory only. All products should be used by people with technical knowledge and suitable equipment, considering the recommendations. YAPKİM Yapı Kimya San. A.S. cannot be held responsible for any consequences that may occur during or after usage. This document is valid until a new one is issued and invalidates the old editions. YAPKİM Yapı Kimya San. A.S. may make changes in the content of the product. It is imperative to take safety precautions during product use. These measures are not just those listed above, and it is the sole responsibility of the user to take all security measures.

Technical Data Sheet

TDS.BOND.013
Edited:18.07.2023
Revision No.:001

