

# COLORTEC PETRA

## Grout for Natural & Artificial Stone

### Description:

COLORTEC PETRA is a high performance mortar for grouting up to 25 mm joints between stone blocks. It is an improved cementitious grout consisting of hydraulic binder, silica, polymer resin and special additives. COLORTEC PETRA is specially recommended for indoor and outdoor grouting of floors and walls in marble, granite and all types of natural and artificial stone. It is designed to fill grout joints up to 25 mm wide forming a smooth, compact surface that is easy to clean without surface efflorescence.

### Uses:

COLORTEC PETRA is used to fill joints in installation of natural and artificial stone, marble, and granite for:

- Facades and walls.
- Balconies and terraces.
- Bathroom and showers.
- Heated and unheated floors.
- Tiles set without joints.
- Pre-polished tiles.
- Floors subject to heavy foot traffic such as shopping centers, railway stations, undergrounds and airports.

### Advantages:

- Once cured it forms a compact resistant surface.
- Non shrinkage.
- High abrasion resistance.
- Easy to apply and easy to clean.
- Hardens without cracks and forming a smooth surface.
- Waterproof.
- Weather condition resistant.

### Instructions for Use:

The stone adhesive must be sufficient dry before filling the joints. The joints must be dry, clean and empty down to 2/3 of their depth.

### Mixing:

Pour the water in a clean container, then add COLORTEC PETRA bag and mix until a homogeneous, runny and lump-free mix is obtained. Mix a bag of 25 kg of COLORTEC PETRA with 5.5 to 6.0 Lt. of clean water. Let the mix set for about three minutes and then mix again briefly just before using. Never add additional water to a mix that has begun to set.

### Application:

Fill the joints fully with the COLORTEC PETRA mix using a rubber trowel or float. Remove excess mix from the surface and move the trowel diagonally across the joints while the mix is still wet.

In warm, dry weather, wetting the joints before applying the mix can help to prevent the grout from drying too quickly.

Let COLORTEC PETRA set in the joints for 15 – 20 minutes and clean off the residue with a wet sponge moving diagonally across the joints and without pressure. Rinse the sponge and change the water frequently.

Perform the final cleaning of the surface of the tiles with a wet cloth or a sponge once setting is completed (at least 3 hours after application). Washing the floor tiles too early can wash some of the grout out of the joints. Yet when left until the grout has hardened completely, the floor has to be cleaned by mechanical means, which may scratch the surface.

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## Standards:

- European norm EN 13888 as CG2 AW
- ANSI A 118.7 – 1999
- ISO 13007

TECHNICAL PROPERTIES	
Appearance	Powder
Color	Refer to grout color Chart
Wet Density	1.85 ± 0.03 kg/lit
Application Temperature	+5°C to +35°C
Workable time of the mix	30 – 40 minutes
Compressive Strength (EN 12808-3)	30 N/mm <sup>2</sup>
Flexural Strength (EN 12808-3)	8.0 N/mm <sup>2</sup>
Tensile Strength	4.0 N/mm <sup>2</sup>
Shrinkage (fully cured) (EN 12808-4)	<1.5 mm/m
Water Absorption (EN 12808-5)	<5 g
Resistance to solvents and oil	Excellent
Resistance to alkalis	Excellent

\*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

## Packaging:

COLORTEC PETRA is available in 5 kg and 10 kg clean, recyclable bags.

## Coverage:

Consumption varies with the size of the tiles width and depth of the joints. Use the following formula to calculate the consumption:

$$\text{Formula: } \frac{A + B}{A \times B} \times W \times D \times 1.85 = \text{Kg./m}^2$$

W = width of joint (mm)  
 D = thickness of tile (mm)  
 A = length of tile (mm)  
 B = width of tile (mm)

## Storage:

Store in dry covered place in original well closed packaging. Shelf life is 12 months if stored as recommended

## Cleaning:

All used tools should be cleaned with water before the product cures. Hardened materials can only be removed mechanically.

## Recommendations:

- Do not apply COLORTEC PETRA when temperature is less than +5°C or more than +40°C.
- Apply COLORTEC PETRA when the joint is totally dry.
- Perform a test of grouting and cleaning before using a porous natural or artificial stone installment.
- Natural or artificial stone that is sensitive to acids such as marble, travertine, etc., must not be cleaned with acid-based cleaners.
- COLORTEC PETRA cannot be mixed with other hydraulic binders.
- Expansion and fraction joints cannot be filled with COLORTEC PETRA.
- When resistance to acids or hygiene application is required, use COLORTEC POXY.
- Do not use acid to clean colored grout joints.
- Job site condition will affect the final color of colored grouts. Try a small test area to determine results before grouting the entire installation.
- For floor tile fixing using site mix cement mortar, it is recommended to apply grout after 7-10 days.

## Health and Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

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## FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to COLORTEC PETRA Material Safety Data Sheet.

MATEX Rev.05-0422

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