



## Crocodile Silver Premium Plus Grout

### High Performance Cement Grout (Unsanded)



#### For general tiles with anti-black mold

Crocodile Silver Premium Plus is a fine-textured grout. This product consists of sand, Portland cement, and special colorants that make the product odorless and prevent the grout from peeling out or shrinkage. Along with Microban to prevent anti-black mold, hydrophobic properties, and special ingredients to provide extra bonds, this product has a long service life along with your tiles and is safe for users. This product is perfect for the joint width that are less than 7 mm, indoors and outdoors, and areas that require frequent cleaning. To use this product, only mix it with water and apply it to the surface.

#### Product features

- Anti-black mold with Microban.
- Water repellent with Hydrophobic agent added.
- Greater durability and bonding strength without cracking by Latex Polymers.
- Suitable for interior and exterior.
- Joint width 1-7 mm

USA Standard : ANSI A118.6 (Unsanded), A118.7 (Unsanded)

Color : 35 colors

#### Installation

Joint width should be between 1-7 mm and depth should not be less than 2/3 of tile thickness. Recommend applying tile grout 48 hours after tile installation.

#### Preparation

Clean and remove any dirt or contamination remaining in the joints. Make sure the joints are clean and dry before grouting.

#### Proportion of Mixing

Crocodile Silver Premium Plus 1 kg (per bag) per 0.34 L of water or

Crocodile Silver Premium Plus 5 kg (per bag) per 1.70 L of water or

Crocodile Silver Premium Plus 3 parts per 1 part of water by volume.



### Mixing

- Add the grout into the water and mix well by hand or low speed drill.
- Allow the grout to slake for 5 minutes, then remix. The mix should be stirred intermittently during application.
- Do not add water or grout after this point. If the grout has become too stiff to work, discard it and make a new batch.

### Application

1. Fill the joints with well mixed grout, then using a rubber face trowel diagonally across the grout joints.
2. Remove all excess grout with the trowel and leave until curing. Clean tile surfaces with wet sponge and clean cloth.

### Curing

Care should be taken within 72 hours to prevent the grout from drying out or dirt by covering the installation with natural kraft paper (Plastic or newspaper sheet should not be used).

### Final Clean-Up

10 days after grouting the area should be cleaned to remove any remaining grout from the tile surface. Soaking soap and warm water into the floor and leaving for a while before wiping. It is not recommended to use acids as they cause grout peeling or color alteration

- If necessary, use diluted acid or Crocodile Grout Cleaner. Test in an inconspicuous place first.
- Any glossy coating or special scrubbing should be applied after the grout has completely cured in 30 days. Test in an inconspicuous place first.

### Coverage ratio per 1 kilogram (1 bag)

| Size of Tiles<br>(in/cm)                       | Tile Thickness<br>(mm) | Joint width<br>(mm) | Approximate area<br>(sq.m) |
|------------------------------------------------|------------------------|---------------------|----------------------------|
| 1"x1" / 2.5x2.5                                | 4                      | 3                   | 1.1                        |
| 2"x2" / 5x5                                    | 6                      | 3                   | 1.5                        |
|                                                |                        | 5                   | 0.9                        |
| 4"x4" / 10x10<br>(General tile)                | 6                      | 3                   | 3                          |
|                                                |                        | 5                   | 1.8                        |
|                                                |                        | 7                   | 1.3                        |
| 4"x4" / 10x10<br>(Earthenware,<br>Glazed tile) | 10                     | 3                   | 1.8                        |
|                                                |                        | 5                   | 1                          |
|                                                |                        | 7                   | 0.7                        |
| 8"x8" / 20x20                                  | 6                      | 3                   | 6                          |
|                                                |                        | 5                   | 3.6                        |
|                                                |                        | 7                   | 2.5                        |

| Size of Tiles<br>(in/cm) | Tile Thickness<br>(mm) | Joint width<br>(mm) | Approximate area<br>(sq.m) |
|--------------------------|------------------------|---------------------|----------------------------|
| 8"x10" / 20x25           | 6                      | 3                   | 6.7                        |
|                          |                        | 5                   | 4                          |
|                          |                        | 7                   | 2.8                        |
| 12"x12" / 30x30          | 6                      | 3                   | 9                          |
|                          |                        | 5                   | 5.4                        |
|                          |                        | 7                   | 3.8                        |
| 16"x16" / 40x40          | 8                      | 1                   | 27.2                       |
|                          |                        | 2                   | 13.6                       |
|                          |                        | 3                   | 9                          |



### Information

|                                                                 |                        |
|-----------------------------------------------------------------|------------------------|
| Density                                                         | 1.08 g/cm <sup>3</sup> |
| Slake time                                                      | 5 minutes              |
| Pot life at 23 ± 2 °C                                           | 45-60 minutes          |
| Initial setting time                                            | 3 hours 30 minutes     |
| Final setting time                                              | 6 hours                |
| Waiting time aftering before grouting, keep cement dry at least | 48 hours               |
| Time before traffic                                             | 72 hours               |
| Joint width                                                     | 1-7 mm                 |

Remark : Test results obtained from laboratories under controlled conditions may result in testing results that differ from the actual site conditions due to many factors such as temperature, environment, equipment and other.

### Technical Data

#### USA Standard

| Test Method by USA Standard<br>(American National Standard Institute) | ANSI A118.7 | Standard<br>Requirements<br>A118.7 (Unsanded) | Result                               |
|-----------------------------------------------------------------------|-------------|-----------------------------------------------|--------------------------------------|
| <b>Water absorption</b>                                               | Part 3.4    | < 5 %                                         | < 3.60 %                             |
| <b>Compressive strength</b>                                           |             |                                               |                                      |
| 1 day                                                                 | Part 3.5    | ≥ 500 psi (3.4 N/mm <sup>2</sup> )            | > 1300 (9.0 N/mm <sup>2</sup> )      |
| 28 days                                                               |             | ≥ 3000 psi (20.7 N/mm <sup>2</sup> )          | > 3250 psi (22.4 N/mm <sup>2</sup> ) |

Remark : 1 MPa = 1 N/mm<sup>2</sup> = 10.197 ksc = 145.038 psi

### Caution

- Not recommended to use in the area exposed to acid all the time.
- Dark colors (e.g. natural grey, grey, black, lithium, sapphire, etc.) may cause irregularities due to the main ingredients, which are the natural characteristics of the material. You can get more usage advice from our technical engineering team.
- May be harmful to the eyes, skin, or lungs. Wear suitable protective clothing, gloves, and eye/face protection.
- In case of contact with eyes, rinse immediately with water and seek medical advice.
- After contact with skin, wash immediately with water.
- Keep out of reach of children.



### **Storage**

- Lasts up to one year if kept dry and away from heat, in a sealed bag.
- Use within 1 year from the date of manufacturing.

### **Packing**

Net weight : 1 kg, 5 kg / Bag

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