



# NanoTile Grout

Polymer-modified, cementitious, water resistant tile grout

## Description

NanoTile Grout is a premium, factory prepared, polymer fortified unsanded portland cement grout designed to be mixed with water. Formulated from a blend of high strength portland cement, polymers and color-fast pigments. Provides a grout joint that is dense, hard and durable.

## Uses

- Excellent for filling of joints in ceramics, porcelains, marbles, graintes, stone mosaic and terrazzo.
- Walls, tub surrounds, showers, countertops and floors
- For residential to heavy commercial use
- For interior or exterior installations

## Features / benefits

- Excellent for wet and dry areas.
- Non-dusting, non-spalling and non-yellowing.
- Non-shrinking.
- Easy maintenance.
- Dense.
- Easy application and clean-up.
- Available in a range of exciting non-fading colors for interior and exterior use.

## Properties

### Test Method Results Specification

Flexural Strength	450–550 psi	ANSI A118.6 H-4.7
Linear Shrinkage 1 day	0.01–0.03 %	ANSI A118.6 H-4.3
Linear Shrinkage 7 days	0.08–0.1 %	ANSI A118.6 H-4.3
Pot Life	1 - 2 hours	
Initial Set	5 hours	
Final Set	6 hours	

## Packaging

10 \* 1 kg Bag.

## Storage

Store in a dry and cool place below 35°C. Protect from direct sunlight.

## Shelf Life

1 year in original, unopened packaging.

## Directions for use

**Surface preparation:** Before starting to grout, remove spacers and debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Substrate temperature must be between 4°C and 32°C.

**Mixing:** Use approximately (4–4.2 ltr) of clean potable water for (10 kg) of NanoTile Grout unsanded grout powder. Place water in a clean mixing container and add grout powder slowly. Mix by hand or with a slow speed mixer to a smooth, stiff consistency. Allow to slake for 5–10 minutes and re-mix.

**Placing:** Dampen tile surface with water. Spread with a sharp, firm rubber grout float. Work the grout paste into the joints until completely filled. Use diagonal strokes to pack the joints. Ensure that joint is filled and grout is not just sitting on top (i.e. “bridging the joint”).

**Primary Cleaning:** Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material.

**Secondary Cleaning:** Remove remaining grout with a damp sponge (not wet) or a damp towel. Work diagonally to the joints. Allow to dry. When the grout joints are firm polish the surface with a coarse nylon pad or coarse cloth and minimal water.

**Note:** Periodically mist the installation with clean, cool water for 3 days.

## Cleaning & disposal

Tools and application equipment should be cleaned with water. Cured material can only be removed mechanically. Disposed of in accordance with local regulations.

## Precautions & Limitations

If any doubt arises concerning temperature or substrate conditions, consult Nano Vision technical department.

## Health & safety

In case of contact with the skin, wash immediately with soap and water; In case of contact with the eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately, do not induce vomiting. Skin barrier cream, safety goggles and rubber gloves are recommended. Carried out in accordance with local legislation under the guidance of the local waste regulatory authority.