

Drytile is a dry installation method for floor tiles which does not require any additional adhesive. The Drytile installation system facilitates reversal at any time – fast and without residue.

## ADVANTAGES

- For significantly faster tiling than using conventional methods
- Acoustic and constructive decoupling from the subsurface
- Crack bridging
- Can be used for many different tile formats
- Suitable for underfloor heating in acc. with analysis by the Technical College of Applied Sciences in Nuremberg
- Emission-free installation
- Expansion joints can be positioned across entire tiles
- No subsurface priming necessary
- Low installation height
- Residue-free removal – Cradle to Cradle Certified® Bronze

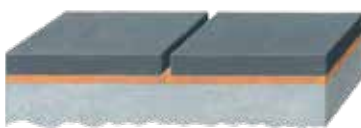
## PROCESSING

1. Just like conventional tiles, these tiles are cut to the desired size.
2. Then the tiles are simply laid on a smooth and even subsurface. The area must not display any signs of dirt, elevations or dents. The DIN 18202 “Tolerances in building construction” shall apply as a basis for measurement. As is generally the case for large-format tiles and slabs, the planarity tolerances indicated in Table 2, line 4 may not suffice. Particularly in the case of higher mechanical loads (e.g. in retail food outlets), an inside micrometre of 2 mm must also be maintained on 2 m length.
3. 1 kg system joint sealer requires 150 ml water. The mixing ratio of 150 ml water to 1 kg sealant must be observed. Deviations (in either direction) will impair the function and negate any warranty claims.
4. The DT 01 technical data sheet of Drytile Ceramics GmbH (see page 3 for QR code for data sheet) must be observed.

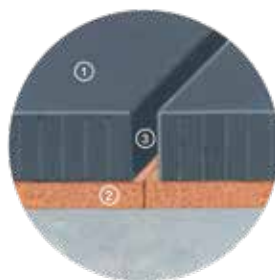
## JOINT COLORS

The system joint sealer is available as standard in anthracite, grey and beige.

## DESCRIPTION



Graphics are not to scale.



1. Ceramic tile with corresponding technical characteristics
2. Cork layer on back durably applied by a special technique
3. System joint automatically formed by the projection on all sides

## AREAS OF APPLICATION

- Office and administrative buildings
- Museums and exhibition areas
- Schools, day care centres, retirement homes
- Commercial buildings
- Residential buildings
- Car showrooms
- Private areas incl. bathrooms (exception: direct shower area)
- Restaurants
- Double and cavity floors

### Not suitable for:

- Exterior areas
- Walls
- Permanently wet areas
- Swimming pool surrounds
- Industrial kitchens
- Acid-proof construction

Flex joint

## System joint

- Cement-based joint sealer in accordance with DIN EN 13888:2009 with reduced water absorption and higher abrasion resistance
- Application exclusively in indoor areas, not approved for permanently wet areas
- From 3 to 8 mm
- Very high flank adhesion
- Highly deformable
- Water- and dirt-repellent
- Marking as per GefStoffV: Xi irritant (Safety Data Sheet on request)

## PRODUCT DESCRIPTION

Water- and dirt-repellent cement-based joint sealer with flexible plastic content for special demands such as high formability, very good stress relief, and very high flank bonding on dimensionally-stable substrates. The system joint sealer is suitable for joint widths of three to eight millimetres, especially for porcelain stoneware as a system joint for Drytile installation, as well as on problematic, dry substrates such as stable beam structures with chipboard panels.

## PROCESSING

Substrates must be examined for suitability, i.e. they must be absolutely even when using the Drytile installation system. To ensure a consistent appearance, only material from the same batch should be used. Joints must be clean and of the same depth. The mixing ratio of 150 ml water to 1 kg sealant must be observed. Deviations (in either direction) will impair the function and negate any warranty claims.

Mix the system joint sealer with clean water to form a smooth sealant of a consistent color. We recommend using an electric stirring device. The joint sealer is applied using a jointing board with a special rubber coating and a sharp edge and washed immediately after jointing with a hydro tile sponge or sponge board. Any remaining joint residues must be immediately washed clean in a second washing cycle diagonally to the joint. Thickened leftover joint sealer must not be stirred again for use. During the hardening process, direct sunshine and draughts should be avoided.

### Tips for avoiding stains

Hardening is delayed by low temperatures which can cause changes in color. Dampness emanating from the substrate can cause efflorescence or marbling. As system joint sealer is cement-based, it is not entirely resistant to acids or water with an excessively high chlorine content.

Flex joint

## Drytile system joint

### TECHNICAL CHARACTERISTICS

Colors	standard: anthracite, grey, beige
Area of application	floor joints for interior applications
Joint width	3 - 8 mm
Processing temperature	+ 5 °C to +25 °C (depending on the subsurface)
Temperature resistance	- 20 °C to + 80 °C
Water consumption	approx. 150 ml water for 1 kg system joint sealer
Processing time	approx. 15 minutes (at +20 °C and 65 % rel. humidity)
Can be walked on	after 12 hours (at +20 °C and 65% rel. humidity)
Full load-bearing capacity	after 24 hours (at +20 °C and 65 % rel. humidity)
Marking as per GefStoff V	Xi, irritant (Safety Data Sheet on request)
Storage	approx. 6 months when stored in a dry place

### CONSUMPTION

Format	Consumption	5 kg sufficient for approx.
30 x 60 x 1.00/1.10/1.20/1.25 cm	ca. 280 g/qm	23 qm / 20 qm / 18 qm / 17 m <sup>2</sup>
60 x 60 x 1.00/1.10/1.20/1.25 cm	ca. 190 g/m <sup>2</sup>	35 m <sup>2</sup> / 31 m <sup>2</sup> / 27 m <sup>2</sup> / 26 m <sup>2</sup>
80 x 80 x 1,10	ca. 140 g/m <sup>2</sup>	41 m <sup>2</sup>
45 x 90 x 1.20/1.25 cm	ca. 190 g/m <sup>2</sup>	27 m <sup>2</sup> / 26 m <sup>2</sup>
60 x 90 x 1.25 cm	ca. 160 g/m <sup>2</sup>	31 m <sup>2</sup>
90 x 90 x 1.30 cm	ca. 120 g/m <sup>2</sup>	38 m <sup>2</sup>
20 x 120 x 1.10 cm	ca. 330 g/m <sup>2</sup>	17 m <sup>2</sup>
60 x 120 x 1.10/1.25 cm	ca. 140 g/m <sup>2</sup>	41 m <sup>2</sup> / 35 m <sup>2</sup>

Open sacks must be used up in full; no subsequent processing.

### CLEANING

Clean tools with water immediately after use.

### PACKING UNIT

5 kg per bucket as standard for each color; 25 kg per sack also available on request or for larger quantity requirements.

The specifications outlined in Technical Data Sheet DT01 supplied by Drytile Ceramics GmbH must be observed.

Installation guideline:





“Drytile” composite floor coverings

Reaction to fire: low-flammable (class Bfl – s1 as per DIN EN 13501-1) on solid, mineral substrates (gross density  $\geq 1350 = 1350 \text{ kg/m}^3$ ) and on substrates made of wood and wood-based materials (thickness  $\geq 10 \text{ mm}$ , gross density  $\geq 475 \text{ kg/m}^3$ )

“Emission-tested construction product in accordance with DIBt principles”

- In accordance with an analysis by the Fraunhofer Institute in Stuttgart, Drytile meets the requirements of the AgBB Scheme for the use of construction products in indoor areas
- Reaction to fire as per test by MPA Stuttgart
- Disposal (tile incl. cork layer and system joint sealer) as per waste code 170904 (DK 1 landfill) – expert report available
- Dynamic stress tested in a concentricity test by the Säurefliesner Vereinigung (15,000 equi-gauge and recurring loads by rolling damage: no damage; the system is resistant to the mechanical impacts applied)
- Suitability of the system tested and confirmed by the MPA Hanover with tiles of 15 mm material thickness for areas subject to higher mechanical loads
- Suitable for use on underfloor heating in accordance with tests by the Technical College of Applied Sciences in Nuremberg

