

DATA SHEET FOR TILING STRIPS TREND

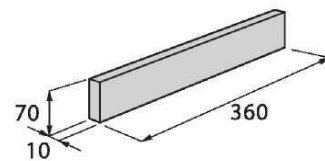
Valid from 1 June 2015

Basic characteristics

Tiling strips Trend are made of natural materials such as high-quality sharply graded natural gravel, complemented by high-strength cement, colour-stable pigments and construction chemicals guaranteeing their low porosity. The manufacture is conducted using modern technology of hermetic pressing, due to which the product develops high strength, abrasion resistance and frost resistance. Indisputable advantage of tiling strips Trend lies in their industrial impregnation treatment to ensure low water absorption of the surface and easy cleaning.

Specifications

Dimensions length x depth x height	360 x 10 x 70 mm
Average weight	0.58 kg / piece
Water absorption	max. 2,5 %
Consumption of strips	36 pieces / m ² with a 10-mm gap
Pieces in a pack	20 pieces
average weight of a pack (packaging included)	11.8 kg



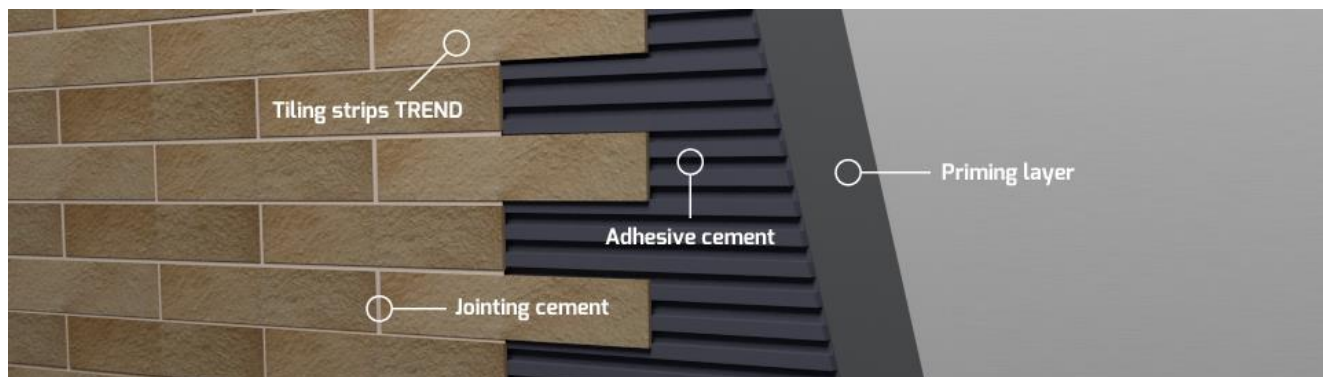
Specifications for gluing

Everything should be measured and planned prior the actual application of these tiling strips. At the same time, it is always necessary to follow the instructions of manufacturers of the products to be used in the application.

1. Preparation of the background

The tiling strips Trend can be glued directly onto the plaster, wall or ETICS thermal insulation systems.

Preparation of surface for gluing onto plaster:

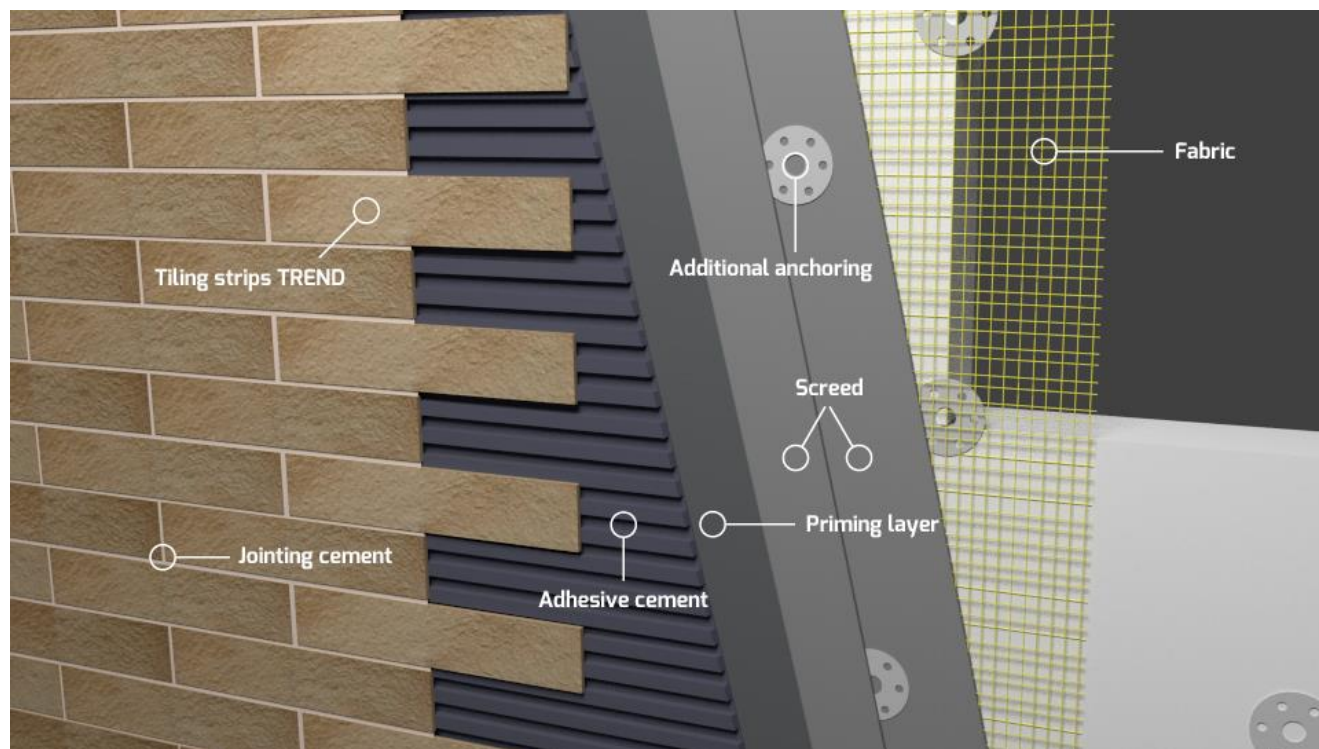


To ensure correct application, it is necessary that the background surface satisfy the following conditions:

- The background surface must be sufficiently mature and clean, i.e. free of dust, grease and other contaminants. It is also assumed that it will not contain efflorescence, flaking active crack spots etc.
- The plaster must contain spots of permanent significantly high humidity.
- The surface should be flat and with sufficient bearing capacity.
- Any unevenness can be repaired using cement-lime screed.

It is generally recommended to apply a **priming layer** prior applying the adhesive cement to reduce permeability and slower drying of the cement but it is always necessary to follow the instructions from the manufacturer, or the opinion of an expert who will assess your particular case.

Preparation of surface for gluing onto ETICS thermal insulation systems



The basis for successful application onto the ETICS thermal insulation systems is their correct installation in accordance with applicable standards, instructions from their manufacturers and expert opinions.

In the event of tiling only surfaces with a small number of rows (e.g. house plinths, vicinity of windows/doors), additional anchoring is not needed.

If you decide to tile larger areas or the entire house, we recommend **additional anchoring** the thermal insulation system through fabric prior gluing the strips.

Screed must be applied on the surface for anchoring on the entire surface. It will cover up the anchors and remove slight unevenness. In the event that you remove greater unevenness by subsequent regrinding, keep in mind that originating dust must be removed with an appropriate broom or brush or using compressed air. The surfaces with screed need to be left to mature sufficiently for at least the time specified by their manufacturers.

Prior the actual gluing, we recommend that a **priming layer** be applied onto the prepared surface to reduce permeability and slower drying of the glue, but **the manufacturer's instructions for particular cement are also decisive**.

2. Preparation for gluing, adhesive cement application and actual tiling

Prior the actual application, it is advisable to think in advance about the progress of work and to follow the principle that gluing should begin in corners, near windows, doors etc. In the event that you are planning a more challenging way of gluing, including special solutions for tiling around windows/doors, tiling larger areas or the entire house, preparation of a laying plan should precede the gluing.

High-quality adhesive cement should be used for gluing – the cement should meet higher demands on frost resistance and elasticity, especially in case of exterior applications. Mix the adhesive cement according to instructions on its packaging. Mix only the amount that you are able to process prior setting occurs.

Gluing can start when the priming layer has dried. Apply the adhesive cement on the entire surface with a stainless toothed spatula with tooth height of 8 mm. The adhesive cement is applied to a surface that can be covered with the strips within 20 minutes. If the adhesive cement on the surface is left for a longer period of time, it must be scraped off into a bucket, mixed and re-applied.

Prior the actual tiling, open multiple cartons of strips and take individual strips sequentially from each of them.

The strips are glued very carefully and they should not be pushed into the background, nor a rubber mallet should be used; the strips must be fixed in the cement with even pressure and movements to the sides.

Glue the strips with a gap of 10 mm; the gap width can be ensured by using, for instance, spacers of appropriate size. The correct direction of tiling should be marked and checked with a spirit level.

When gluing in corners, you can choose between alternating offset one strip across the width of an adjacent strip or by cutting two strips at an angle of 45 degrees. Shortening and trimming of strips can be done with a desktop or manual chop saw. In both cases use of diamond blades intended for concrete and stone is supposed.

3. Jointing with jointing cement

Jointing is performed after hardening of the adhesive cement. Once again, we recommend you follow the manufacturer's instructions. Frost-resistant, flexible jointing cement designed for the gap size of 10 mm should be used. The jointing cement is mixed according to instructions on the packaging.

The entire tiled surface must be moistened prior the actual jointing. Jointing is done directly into the gap using a jointing spatula. With high-quality jointing cements for which their manufacturers declare subsequent easy cleaning, jointing can be carried out on the entire surface; here again, we recommend you follow the instructions specified by the manufacturers.

After a slight initial setting, the surface of the strips is cleaned with a wet soft foam smoother, which must be cleaned constantly in water. This cleaning is carried out several times, with clean water only for the last time.

4. Warning

The temperature of the air, the materials and the background should not fall below +5 °C during the entire process. Likewise, the air temperature should not drop below freezing during 7 days following application. Furthermore, we do not recommend application under strong direct sunlight on hot days, in strong winds and rain. It is essential to protect the surface from rain immediately after completion of the work to prevent washout of the fresh adhesive/jointing cement and thus subsequent soiling of the strips.

All these recommendations and procedures are based on our practical experience. We recommend consulting the method of use with experts in case of construction work with specific requirements.

Tiling strips Trend meet the following standards:

ČSN EN 14617-1 - Artificial stone - Testing methods - Part 1: Determination of bulk density and water absorption

ČSN EN 14617-2 - Artificial stone - Testing methods - Part 2: Determination of bending strength

ČSN 73 1326 - Determination of cement concrete surface resistance to water and chemical de-icing agents

ČSN EN 14617-16 - Artificial stone - Test methods - Part 16: Determination of dimensions, geometric characteristics and surface quality of thin plates

ČSN EN 196-10 - Methods of testing cement - Part 10: Determination of the content of water-soluble chromium (Cr6+) in cement

Decree 499/2005 Coll. on the content of natural radionuclides