

TECHNICAL DATA SHEET

ELASTOLITH TILE STRIPS DIY



TechBrick DIY tile strips are high-quality organically bonded tiling strips that are made from mineral raw materials. They can be used on various surfaces in many ways. Natural stone designs created by craftsmen.

Product Properties

Elastolith tile strips must always be used along with the associated ready-to-use Elastolith special adhesive, on suitable surfaces that can take the load. The colour of the adhesive is also the grouting colour. Wide range of choice in colour, structure and dimensions. They can be processed quickly and simply, are lightweight, can be cut to size easily, no losses due to breakage. They are washable, impact-resistant, paintable, vapour permeable, colourfast and can take a knock. The tile strip is flexible and can be processed around (slightly) rounded corner; preheat the tile strip using a hairdryer if necessary. Slight differences in colour can occur as natural raw materials are used.

Application

The outdoor quality strips can also be used indoors. Always make sure you use tile strips from multiple boxes at the same time in order to obtain the intended structure and colour nuances. Sequence: apply the adhesive, press the tile strips firmly into it and smooth the joints using a damp brush. The strips must be secured with adhesive on all sides to prevent water getting behind the strips.

Surfaces

Elastolith tile strips can be used on any solid, clean, dry, slightly absorbent surface that can take the load and is free of any stresses. Using a layer to promote adhesion (a primer) may be required in most cases. Highly absorbent surfaces must be pre-treated with an absorbency-regulating primer. If you have any doubts, ask for advice.

Notes

We can prescribe the correct way to use our products successfully, but we cannot check the actual application. We can therefore only guarantee the quality of our products while they are covered by our terms and conditions of sale and delivery; we do not guarantee the way that the products are processed. If you have any doubts about a given surface, we recommend that you do a few tests first in order to prevent (future) problems for which we cannot accept any liability. This data sheet superseded all previous data sheets. We reserve the right to make any changes that are the result of technical progress.

Technical Data

Binding agent:	water-based polymer dispersion
Pigments:	liquid UV-resistant pigments based on natural materials
Filler:	various types of quartz sand
Thickness:	4-5 mm (including the adhesive layer)
Weight:	5-6 kg/m ² (including the adhesive layer)
Density:	±1.5 g/cm ³
Temperature:	the minimum surface and air temperature is +5°C, both when applying the adhesive layer and during curing of the adhesive layer.
Dimensions:	50x210 mm: 72 pcs/m ² (with grouting of 10 to 12 mm) 52x240 mm: 64 pcs/m ² 71x240 mm: 48 pcs/m ²
Adhesive Colour:	white / sand grey / light grey / cement grey / grey / atracite / brown
Consumption:	2.5 to 3.5 kg/m ² depending on the surface and working method
Fire Class:	meets the requirements for building material classification in accordance with EN 13501-1:2007+ A1:2009 B-s1, d0 as "no burning drips"
Temp. Range:	-40° to 100° C (after processing and settling)
Storage:	+10°C and dry
Safety:	Drawing up a safety information data sheet in accordance with the REACH decree (EC) no. 1907/2006, Appendix II is not required.

Tools and Cleaning

Measuring tools, a spirit level, masonry cord/marketing cord/laser instrument for setting out the layers), trowel, toothed trowel (4x4 or 4x6 mm), scissors and a flat brush (10, 12 or 14 mm wide) for laying the tile strips and smoothing the grouting. Tools must be cleaned with lukewarm water immediately after use, before the adhesive has hardened.

Processing

Make sure that the surface is suitable for laying the tile strips. Check smoothness, sufficient curing and sufficient protection against weather and wind beforehand when processing and during curing. Determine the dimensions (masonry height and course height) and mark them out on the wall surface that is to be processed. Heights can be indicated manually on the wall and/or a measuring instrument may be used. Use a building line on the wall every 3 to 4 layers with a marking cord or a laser instrument and align the upper side of the tile strip against it. Proper dimensioning is required to make sure that the tile strips are laid with accurately and at consistent dimensions. Work from top to bottom. Window frames, sills, scaffolding etc. must be sufficiently covered to prevent dirt. Any dirt must be cleaned with clean water immediately. Elastolith special adhesive is applied with a toothed trowel. Depending on the circumstances (temperature, air humidity, etc.), it should not be applied to large surfaces in order to prevent film formation on the adhesive layer. The tile strip is pressed into the wet adhesive with a slight sliding movement. The tile strip must be fully embedded in the adhesive. This can be checked by removing a tiling strip from the facade and checking that the back of the tile strip is fully covered with adhesive. The adhesive at the joints should be smoothed off with a slightly damp brush immediately after processing. The head (outer) joints are smoothed first, after which the bed (inner) joints are smoothed with a long stroke. Make sure that sufficient adhesive is in contact with the sides of the tile strip so that water cannot get behind it. When used outside, the tile strips must be protected against wind and rain for at least 3 days after laying. However, the protection time indicated depends on the temperature and air humidity. High air humidity and/or low temperatures can extend this period considerably.



Contact us for a quote

Through prefabricated construction technologies, combined with advances in material science, it's time to improve safety, close the productivity gap, increase building performance, and build for the future.