

Product Information:

Tile Adhesive 525

Fast curing, high strength adhesive for roofing tiles**General description and application:**

Tile Adhesive 525 is a MS-based adhesive, specially developed for adhesion of tiles. The adhesive cures by reaction with the humidity of the air to a strong and flexible joint.

Suitable for clay- and concrete tiles, when mounting fitted tiles, e.g. around skylights, chimneys, ventilation channels or other places where fitted tiles are needed. Can also be used for whole stones at gables.

Tile Adhesive 525 is odour less, neutral and fast curing, can be painted and has an excellent climatic resistance. It contains no isocyanates, solvents or silicone.

Tile Adhesive 525 is also suitable for adhesion of wood, steel, aluminium, hard pvc, glass etc.

The product is a declared item in the Supply Chain Declaration Portal (SCDP) for New Buildings generation 3 & 4.



Member of Danish Association of Sealant Applicators & Manufacturers

Physical / chemical properties:**Uncured sealant:**

Type:	MS-hybrid polymer, 1-component
Contains fungicide:	No
Consistency:	Paste, tixotropic
Specific gravity:	approx. 1,5 kg/litre
Shelf life:	2 year in unopened packing, if stored cool and dry.
Packaging:	

Item no.	Colour	Size
53576	Tile Red	290 ml cartridge
53577	Black	290 ml cartridge

Cured sealant:

Paintable:	Yes
Hardness:	approx. 55 Shore A
Max. joint movement:	+/- 20 %
100 % Modulus:	approx. 1,1 N/mm ²
Elongation at break:	approx. 450 % (DIN 53504)
Resistance:	Temperature: approx. -40 °C to +90 °C Climatic ageing (UV): good (direct sun light may cause discoloration of the adhesive, especially the tile red colour.)



Directions for use:

Preparation:

All surfaces must be dry, clean, free from grease, dust and loose particles.

Tile Adhesive 525 is suitable for most types and tiles. In practice, variations can occur in the different materials, therefore it is always recommended to carry out sufficient bonding tests before commencing - particular in larger applications.

Application conditions:

Can be applied at temperatures from +5 °C to +40 °C and a relative air humidity at minimum 30 %.

Application:

The tip of the cartridge is cut off with a keen knife after which the tip is cut with an inclined cut. The adhesive is applied by means of a hand- or pneumatic gun.

Bonding of clay roof tiles (standard and engobated):

The tiles must be cleaned from dust and loose particles and primed with Primer 963. The primer should only be applied at the bonding area, as it could be visible (dark) after application. When the primer is completely dry, after approx. 30 – 60 minutes, depending on temperature, the adhesive is applied. Apply plenty of adhesive in the full length of the stone, making sure to achieve a optimum size of bonding area. Special notice must be taken when bonding wing-shaped tiles.

The tiles are pressed together immediately (within 5 – 10 minutes) in a way that largest possible bonding surfaces is achieved. Avoid pressing adhesive out on the front of the tile, as sunlight might cause discoloration (especially tile red colour).

Bonding of concrete roof tiles and glazed tiles:

The tiles must be cleaned from dust and loose particles. Apply plenty of adhesive in the full length of the stone, making sure to achieve a optimum size of bonding area. Special notice must be taken when bonding wing-shaped tiles.

The tiles are pressed together immediately (within 5 – 10 minutes) in a way that largest possible bonding surfaces is achieved. Avoid pressing adhesive out on the front of the tile, as sunlight might cause discoloration (especially tile red colour).

General notice:

Depending on the construction, in some cases, the jointed tiles can be mounted immediately. In general, it is recommended to wait until the adhesive has reached sufficient strength, normally approximately 24 hours. If the stone is cut, we also recommend that it has gained sufficient strength.

Curing:

Skin forming within approx. 7 minutes at 23 °C and 50 % RH.

Cures 2-3 mm/24 hours at 23 °C and 50 % RH.

The curing time is slowed down at lower temperatures and lower relative humidity.

Treatment:

After curing the product can be painted with most types of paint. Because of the many different products in the market, we recommend tests to be carried out. Especially when using slow curing alkyd paints or varnishes.

Cleaning:

Uncured adhesive can be removed with wipes.

Cured adhesive can be removed mechanically.

Hands and skin are washed with water and soap.

Health and Safety:

For further information on safety, refer to product safety data sheet.

The information and data contained in this Product Information sheet are based on extensive laboratory testing and our practical experiences and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this Product Information sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.

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