

# VERANIT H 48

**Adhesive, epoxy-based, for thin-bed fixing of ceramic tiles, three components**

## Product Datasheet


### Product description

VERANIT H 48 is used as an adhesive for ceramic tiles on floors. The substrate may be concrete, light-weight concrete, chipboard or metal. VERANIT H 48 is delivered as a 3-component mortar, component A (resin) 3,3 kg, component B (hardener), 1 kg and component C (filler), 15,7 kg.

### Areas of use

VERANIT H 48 is recommended for floors exposed to strong mechanical and chemical stress. Typical applications include chemical industries and production facilities in the food industry, particularly dairies, breweries, slaughterhouses, meatpacking plants, etc.

### Mixing

Mix the components on the building site just before application. The components shall have a temperature of +15- +25 degrees Celsius. Always prepare a complete batch. For the mixing use a mixing machine or a low-rotary drilling machine with a spiral mixer. Component A must be well mixed with component B before component C is added.

### Sub-floor

The concrete floor should have a flatness equal to the finished surface. Slopes should be prepared in the sub-floor. The concrete should be dry and free from laitance, grease, loose particles, dust etc. For repairs to small areas a slight moisture content in the concrete can be accepted but the surface must be free from visible water.

### Preparation and application

The components should be mixed in a mixing machine. Start with mixing resin and hardener thoroughly and add E-powder gradually. The mixing should continue for at least 3 minutes. The quantity of E-powder may be varied +/- 0,2 kg, so that the compound can be worked easily at different temperatures. VERANIT H 48 is applied with a steel spatula to form a uniform layer of 4 mm. Tiles should be laid within 30 minutes after the application of the compound. The tiles are laid in the adhesive with a slight pressure. The evenness of the surface of each newly applied section should be carefully checked with gauge float and adjusted if necessary.

### Cleaning of tools and mixing vessels

Clean the tools from time to time with water or a mixture of water and alcohol in equal proportions.

### Safety precautions

Good ventilation at the workplace must be ensured. Protective plastic gloves should be used. Soiled working clothes should be changed. Repeated skin contact with epoxy products can result in hypersensitivity and eczema. Mortar on the skin should be washed off with soap. Strict hygienic precautions should be observed. This product is hazardous if ingested and should be kept out of reach of children. Instructions on the package should not be removed, obliterated or otherwise rendered illegible.

### Quantity required

Approx. 6,5 kg/sqm – thickness 4 mm.

Covering capacity is based upon theoretical calculations and does not include waste.

### Technical Data

Density	1600 g/m <sup>3</sup>
Tensile strength	Appr. 25 MPa
Compressive strength	Appr. 55 MPa
E-modulus:	Appr. 11 GPa
Adhesion to ceramics	Appr. 10 MPa
Adhesion to concrete	Appr. 5 MPa
Storage and transport:	Shall be stored under dry, not too warm, and frost-free premises in well sealed packages. Storage time 12 months

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