

**Description**

Three-component, solvent-free, epoxy-resin-based, chemical resistant waterproofing adhesive.

**Fields of Application**

- Bonding of Kalekim Dilatation Tape.
- Bonding of metal profiles on concrete.
- Bonding of concrete, stone, metal, wood.
- Bonding of PVC pieces on each other and in between.
- Bonding of floor and wall tiles, granite and marble plates.

**Properties**

- Excellent bonding.
- Highly resistant to heavy traffic.
- Easily trowelable.
- Excellent chemical and mechanical resistance.
- Resistant to freeze-thaw cycles.
- Easy to apply with 60 minutes of pot life at 25°C.

**Preparation of Substrates**

- Substrates must be sound free from oil, grease, and sufficiently dry. Cementitious substrates must be cured. Use Tamirart or Mastar 10 in case of any loose and uneven substrates to get sound and flat surface.
- Cracked plasters mortar and cement residues must be scraped off the surface.
- The porous surfaces should be wetted and must be left to dry before application.
- The surface must be dry and moisture content should not exceed 5%.
- At low temperatures the viscosity of the material increases. Therefore keep the material at room temperature (23±3°C) for one day before use.

**Application**

- First empty the pail that contains the components B and C into the top pail and mix homogeneously. Then pour the mixture into component A, completely without leaving any residuals. Stir with a low speed electrical stirrer until the mixture becomes homogeneous.
- Spread the material by a notched trowel appropriate to the dimension. To obtain a good adhesion, first apply a thin coat with the flat side of the trowel, then notch with the toothed side.
- Install the tiles with a firm pressure.
- Apply the material within its pot life which is 60 minutes.

### Post-Application Protection & Suggestions

- Clean tools right after the application. When materials are hardened, cleaning can only be done by mechanical means.
- Remove excess product from the tile surface rapidly because once hardened it will have to be removed mechanically.
- Dispose mortars of which pot life is expired.
- Ventilate the work area during the application.
- Do not mix the product with water or solvents.
- Tiles installed with Epotech W must not be subject to water for at least 24 hours.
- Depending on the temperature time required for grouting 12 - 48 hours.
- Do not walk on the floor 24 hours after application.
- The surface should be protected from air stream during and after the application.
- It should not be applied in rainy weather and the applied surface should be protected from rain in 24 hours.
- Application temperature should be between +10°C and +27°C.
- In case of skin and eye contact wash with plenty of water. For further information refer to the safety data sheet.
- The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.

### Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Shelf life is maximum 12 months conditional to complying with the above mentioned conditions.

### Packaging

In 5 kg units and plastic pails (3 component).  
Component A: 4.000 kg  
Component B: 0.375 kg  
Component C: 0.625 kg



### Certificates of Quality

TS EN 12004-1 Class R2T.  
R: Resin based  
2: Improved  
T: Reduced Slip

**Technical Properties**

(at 23°C and 50% RH)

**General Data**

Appearance	Component A: Whitish-beige paste
	Component B: Green transparent liquid
	Component C: Whitish powder
Shelf Life (Component A / B / C)	12 months when stored in the original sealed packing in a cool, dry place.

**Application Data**

Application Temperature Range	(+10°C) – (+27°C)
Pot Life	60 minutes at 25°C
Period of Grout Filling	12 - 48 hours (Depending on the temperature)
Ready for Use (Max. Chemical Resistance)	7 days
Set to Foot Traffic	24 hours
Consumption	3 - 4 kg/m <sup>2</sup> (As an adhesive) 1.0 -1.5 kg/m <sup>2</sup> (For bonding of waterproofing tape; Kalekim Dilatation Tape)

**Performance Data**

Slip (EN 12004-2)	≤ 0.5 mm.
Open Time Strength (EN 12004-2)	After 30 minutes ≥ 0.5 N/mm <sup>2</sup>
Shear Adhesion Strength (EN 12003)	
- Initial	≥ 2 N/mm <sup>2</sup>
- After Immersion in Water	≥ 2 N/mm <sup>2</sup>
- After Thermal Shock	≥ 2 N/mm <sup>2</sup>
Flexural Strength (EN 12808-3)	≥ 30 N/mm <sup>2</sup>
Compressive Strength (EN 12808-3)	≥ 45 N/mm <sup>2</sup>
Density	1.80 gr/cm <sup>3</sup>
Service Temperature Range (after final cure)	(-20°C) – (+80°C)
Release Dangerous Substances ( EN 12004-1)	See SDS.
Reaction to Fire (EN 13501-1)	Bs2d0