



FARCO TILE E-G180

3- Component Epoxy Tile Adhesive and Grout

Product Description

- E-G180 3- component Solvent free in two types:
- Type 1: FARCOTILE E 180 for fixing floor and wall tiles
- Type 2: FARCOTILE G 180 for grouting floor and wall joints

Application

Fixing and Grouting Vertical and horizontal substrates which are exposed to chemicals or Mechanical pressures.

- For fixing tiles on various substrates like concrete, mortar, metal, wood etc.
- Industrial areas like dairies, laboratories, slaughter houses, refineries and petrochemicals
- Industrial kitchens and pools

Advantages

- High adhesion to metal and cementitious substrates and surfaces
- High mechanical properties
- Excellent resistance to industrial chemicals
- Recommend for joint with 2 to 20mm width
- Easy clean prior to setting
- Different colors
- Non shrink

Standard compliance

E 180 is according to EN 12004
G 180 is according to EN 13888

Chemical Resistance

7 Days curing at 25°C

chemical	concentration	Immersion period	result
H ₂ SO ₄	50%	7 days	Unchanged
HCL	30%	7 days	„
HNO ₃	10%	7 days	„
Sea water	-	3 month	„
NaoH	40%	3 month	„
H ₂ SO ₄	10%	3 month	„
Lactic acid	10%	3 month	„
Acetic acid	20%	3 month	„
HNO ₃	50%	7 days	„
Petroleum	-	7 days	„

Consumption

- 2 to 4 kg/m² for E180 as a tile adhesive
- For G 180:
Width: 3mm, depth: 5mm is approx. 35 g/m
Width: 6mm, depth: 5mm is approx.70 g/m
Width: 10mm, depth: 5mm is approx. 110 g/m
E 180 is packed in: A: 1 kg, B: 500gr, C: 4.250kg
G 180 is packed in: A: 1 kg, B: 500gr, C: 5.500kg
Note: components A and B are the same in E 180 and G 180 but different in part c.

Technical Information

Specific Gravity(kg/lit)	E180 1.7± 0.03 kg/l G180 2.2±0.03 kg/l
Slip (EN 1308)	≤ 0.5mm
Compressive strength (EN 12808-3) 7 day	≥ 850 kg/cm ²
Flexural strength (EN 12808-3) 7 day	≥ 300 kg/cm ²
Tensile strength	≥ 150 kg/cm ²
Shear adhesion (EN 12003) strength	≥ 50 kg/cm ²
Pot life (20°C)	30 min
Open time (20°C)	≤ 20 min
Shrinkage	<0.1%

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◎ Direction for Use

Substrate Preparation

- The substrate and joints must be dry, sound, clean, oil and dust free.
- Remove the laitance and unsounded parts, then Repair with polymer modified mortars (SA12, SA46)
- If necessary remove the penetrated chemicals from substrate by water or sand blasting.
- For improving the adhesion of adhesive apply FARCOTILE primer.

Mixing

- Components A (resin) and B (hardener) and C (powder) are packed in 3 separate pre-weight containers.
- Add component A and B completely together and mix with a stirrer, then add the entire content of part C gradually while mixing. Continue mixing until a homogeneous and lump free mixture is gained.
- The reaction of components is exothermic and the pot life is directly affected by ambient and materials temperatures

Fixing the tiles

Spread the adhesive on to the prepared substrate with a suitable notched trowel.

Put the clean and dry tile on the adhesive and press to gain maximum bonding

◎ Grouting the tiles

Apply the mixture immediately in to the joints with a rubber spatula or spout Remove excess material immediately in diagonal direction and clean the surface by wet sponge before hardening.

◎ Remarks

- In low temperatures the viscosity of parts A and B Increase therefore the mixture loses its workability and reaction time increases, on the other hand, high temperatures shorten the pot life and increase hardening rate.
- The temperatures of components, mixture and ambient is between is 18 to 25°C to have the optimal workability and working time.
- Keep the components at these temperatures prior to start.

◎ Storage

Storage store cool, dry and in closed packaging.

◎ Shelf life

FARCOTILE BK2 Can be stored 6 month in a normal environment in original packaging.

◎ Technical Service

The SHIMISAKHTEMAN Technical Service Department is available to assist you in the correct use of our products in the field.



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