

ADESILEX ADHESIVE FOR GTI TILES / FLOOR MATS

32-990-0006

Two-component, epoxy-polyurethane adhesive for resilient and textile flooring. Extremely strong, tough, elastic, adhesive for general purpose use, particularly suitable for non-absorbent substrates or moisture-sensitive substrates (wood, metal, ceramic, stone, resin, PVC, rubber, etc.).



Product specifications

- Identification du produit**

	<i>Component A</i>	<i>Component B</i>
Consistance	thick paste	Fluid liquid
Couleur	Beige, red, green and black	transparent
Density (g/cm ³)	1,5	0,92
Extrait sec (%)	97	84
Brookfield Viscosity (mPa•s)	300.000	30
	(rotor E - RPM 2,5)	(rotor 1 - RPM 5)

- Application data (at +23°C - 50% HR.)**

Mixing ratio:	Component A : component B = 94 : 6
Brookfield viscosity of mix:	180.000 (rotor 7 - RPM 10)
Density of mix (g/cm ³):	1450
Pot life of mix:	50-60 minutes
Application temp. range :	from +10°C to +30°C
Open time:	60 minutes
Adjustment time:	90 minutes
Initial setting:	9 hours
Fin de prise:	10 hours
Set to light foot traffic:	After 12-24 hours
Ready for use:	After 3 days

- Final performance**

Temperature when in service:	From - 40°C to +100°C
Resistance to moisture:	Excellent
Resistance to ageing:	Excellent
Resistance to solvents and oils:	Good
Resistance to acids and alkalis:	Good



Peel adhesion at 90° according to EN 1372
After 14 days at +23°C (N/mm):

Rubber: > 3 (floor-covering failure)
PVC: > 3 (floor-covering failure)

Conditioning:
Storage :

5 Kg /10 kg
Remains stable for at least 24 months
under normal environmental conditions
in its original, sealed packaging.

Recommendations

- Install in recommended temperatures, normally between +10°C and +30°C, in order to maintain workability and setting times.
- Do not install on substrates not protected from rising damp.
- Do not install flooring on not completely set or wet concrete (residual moisture content must be maximum 3.0%).
- Do not install flooring on fresh asphalt (wait at least 20 days).
- Do not install flooring on bituminous surfaces which might bleed oils.
- Do not use on curved surfaces or steps if it is not possible to hold the flooring in perfect adherence against the substrate until the adhesive has set.

Substrate preparation

Substrates must be dry, level, sound, mechanically strong, free of dust, loose particles, cracks, paints, wax, oil, rust, traces of gypsum or other products that can interfere with bonding. The regulations of each country must be strictly followed. Commonly, the moisture content must be as follows: max. 2%-2,5% for cementitious substrates, max. 0,5% for gypsum or anhydrite-based substrates. It is essential to make sure there is no rising damp present. Un-bonded screeds laid over light-weight concrete or over insulation and screeds laid directly onto earth must be separated by a vapour barrier to prevent rising damp.

Mixing the adhesive

The two components of Adesilex G19 are supplied in pre-measured proportions:

- Component A: 9.4 parts by weight
- Component B: 0.6 parts by weight

Blend the two components together with a mechanical mixer until an even paste is obtained. Setting times and pot life depend on the ambient temperature (see table). Setting times are much longer if the temperature is lower than +10°C.

Note: the resin (component A) / catalyser (component B) ratio must be strictly adhered to. Any variation in dosage will compromise the setting of the product.

Installing the flooring

Follow the manufacturer's instructions for laying technique. Lay in covering with short waiting time into the still wet adhesive bed: the adhesive ridge has to be impressed. Take care to avoid air pockets and carefully rub the floor covering down to ensure good adhesive transfer to the backing. Avoid excessive stress at the seams. After installing the floor covering, it is always necessary to carefully roll it down again or to firmly rub it down. If the flooring is not perfectly flat, put weights (such as bags of sand or similar) on the uneven areas, and on the joints and roll ends until the Adesilex G19 has hardened (12-24 hours). Extra care must be taken when installing external flooring if there are high temperatures or high variations in temperature (install flooring during the cooler hours of the day). Flooring bonded with Adesilex G19 is ready for light foot traffic after around 12-24 hours, while the adhesive sets completely after around 72 hours at +23°C. The setting time of Adesilex G19 at different temperatures is the following:

Temp (°C)	+30	+25	+20	+15	+10	+5
Time (H)	4	6	8	10	20	36

Consumption

Consumption varies according to the flatness of the substrate and the type of backing on the flooring material (and, therefore, the type of trowel used): from 400 to 1000 g/sqm.

Cleaning

Product may be removed from flooring, tools, clothing etc. with alcohol before it hardens. Once hardened, it must be removed mechanically

Part numbers

32-990-0006	Adesilex Adhesive - 5 kg drum
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