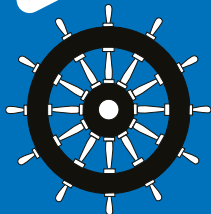




Adesilex G19 FR Fast



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**Solvent-free,
fast setting,
two-component,
epoxy-polyurethane
adhesive for resilient
and textile flooring in
transportation
equipment industry**



WHERE TO USE

Fast setting bonding of resilient (rubber, PVC, linoleum, etc.), textile and needle-punch flooring on absorbent or non-absorbent substrates in the transportation equipment industry.
Suitable for outdoor and indoor application on floorings.

Adesilex G19 FR Fast complies with the requirements of EN 45545-2:2013 ("Requirements for fire behaviour of materials and components") for the Hazard Levels HL1-HL2, requirements set R10.

Adesilex G19 FR Fast also meets the requirements of smoke-gas toxicity specified in the Chinese Standards TB/T3237:2010 and TB/T3139:2006.

Adesilex G19 FR Fast is suitable for use in ships and boats according to Marine Equipment Directive (M.E.D.) 96/98/EC and successive amendments.

Some application examples

Extremely strong and flexible, all-purpose adhesive especially recommended for installing resilient and textile flooring onto non-absorbent surfaces.

Particularly suitable for:

- non-absorbent substrates such as steel, aluminium, plywood, etc., used in train carriages;
- ship decks.

TECHNICAL CHARACTERISTICS

Adesilex G19 FR Fast is a solvent free, two-part fast setting adhesive composed of an epoxy-polyurethane polymer, component A, and a special hardener, component B.

Mixing the components carefully forms a uniformly coloured paste that is easy to apply with a notched trowel. Once **Adesilex G19 FR Fast** has hardened (after approx. 8 hours), which takes place by means of a chemical reaction without shrinkage, it becomes tough, resistant to moisture, water, heat and atmospheric agents, and adheres extremely well to almost all materials normally used in transportation equipment industry.

RECOMMENDATIONS

- Do not install on substrates subject to rising damp.
- Do not use **Adesilex G19 FR Fast** at temperatures below +10°C or above +30°C.
- Do not use on curved surfaces or steps if it is not possible to hold the flooring in perfect adherence with the substrate until the adhesive has set.

APPLICATION PROCEDURE

Preparation of the substrate

Substrates must be thoroughly dry, level, mechanically resistant, free from dust, loose parts, cracks, paint, wax, oil, rust, traces of gypsum and any other materials which may compromise adhesion.

The regulations of each country must be strictly followed.

It is mandatory to check that there is no rising damp.

Acclimatisation

Before starting the installation, make sure that the adhesive, the floor covering and the substrate are acclimatised to the recommended temperatures and R.H.

Adesilex G19 FR Fast

Mixing

The two components of **Adesilex G19 FR Fast** are available 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 stirrer until a homogeneous paste is obtained. Setting time and pot life are closely related to the ambient temperature (see Technical Data Table).
Setting time is much larger 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 performance of the adhesive.

Spreading the adhesive

The choice of trowel depends on the type of flooring to be installed and on the substrate: for smooth backings and smooth substrates use MAPEI trowels No. 1 or TKB A1, A2; for textured and impervious backings and substrates use MAPEI trowels No. 2 or 3 or TKB B1, B2 or C1 (follow the flooring manufacturer's instructions).
Apply the adhesive evenly and on as much of the surface that can be covered with the flooring open time (approximately 30 minutes), depending on the ambient temperature and that of the substrate.

Installing the floor-covering

Follow the installation instructions given by the floor covering manufacturer.

Floor covering must be applied onto **Adesilex G19 FR Fast** while still fresh, within 30 minutes at +23°C; carefully massage the surface from the centre towards the edges in order to ensure complete contact and to remove entrapped air.

A few minutes after application, massage the surface of the floor or go over it again with a roller.

When the floor is uneven, the parts which do not adhere, joints and roll ends must be weighed down (with sandbags or other) until **Adesilex G19 FR Fast** is set (6 to 12 hours). Special care must be taken in installations at high temperatures or extreme temperature variations (install at the less warm time of day).

Flooring bonded with **Adesilex G19 FR Fast** is ready for light foot traffic in approx. 6-12 hours. Final setting takes place in approx. 36 hours at +23°C.

The setting time of **Adesilex G19 FR Fast** at various temperatures is as follows:

Temperature in °C	+30	+25	+20	+15	+10	+5
Hours	2	3	4	5	10	18

CONSUMPTION

Consumption varies, depending on the evenness of the substrate, the type of floor covering backing, and the trowel used:

- with MAPEI 1 trowel or TKB A1/A2:
400 to 500 g/m²;
- with MAPEI 2 trowel or TKB B1, B2:
500 to 600 g/m²;
- with MAPEI 3 trowel or TKB C1:
600 to 800 g/m².

Cleaning

Adesilex G19 FR Fast can be cleaned from flooring, tools, hands and clothing with

alcohol before the hardening reaction occurs. After hardening, it can only be removed mechanically or with **Pulicol 2000**.

Colours

Adesilex G19 FR Fast is available in beige.

PACKAGING

Adesilex G19 FR Fast is available in 10 kg units.

STORAGE

Under normal conditions and in its original unopened packaging **Adesilex G19 FR Fast** is stable for at least 12 months.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Adesilex G19 FR Fast component A irritates the eyes and skin. Both components A and B may cause sensitisation if they come into contact with the skin in those predisposed.

Adesilex G19 FR Fast component B is corrosive and could cause burns and damage to the eyes and is also harmful if swallowed. The product contains epoxy resins with a low molecular weight that may cause cross-contamination with other epoxy compounds.

It is recommended to use protective gloves and goggles and to take the usual precautions for handling of chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of water and seek medical attention.

Adesilex G19 FR Fast components A and B are also hazardous for aquatic life.

Do not dispose of the products in the environment.

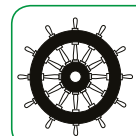
For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com



This symbol is a conformity mark which proves that the product is suitable for marine equipment in compliance with the Marine Equipment Directive (MED) 96/98/EC and subsequent amendments. For the products with this marking, MAPEI is also allowed to affix the U.S. Coast Guard approval number as allowed by the "Agreement between the European Community and the United States of America on mutual recognition of certificates of conformity for marine equipment" signed February 27th, 2004.

All relevant references for the product are available upon request and from www.mapei.com

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

	component A	component B
Consistency:	thick paste	fluid liquid
Colour:	beige	transparent
Density (g/cm ³):	1.66	1.05

APPLICATION DATA (at +23°C - 50% R.H.)

Mixing ratio:	component A : component B = 94 : 6
Density of mix (g/cm ³):	1.59
Pot life:	25 to 30 minutes
Application temperature range:	+10°C to +30°C
Open time:	30 minutes
Adjustability time:	45 minutes
Initial setting:	4 hours
Final setting:	4-5 hours
Set to light foot traffic:	after 6 to 12 hours
Ready for use:	after 36 hours

FINAL PERFORMANCE DATA

Temperature when in service:	from -40°C to +100°C
Resistance to moisture:	excellent
Resistance to ageing:	excellent
Resistance to oils and to solvents:	good
Resistance to acids and to alkali:	good
Flexibility:	yes
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)



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FR Fast**



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