



Adesilex F57

Synthetic resin based adhesive in alcohol for textile and linoleum floors and wall coverings



WHERE TO USE

Interior bonding of:

- non-woven textile flooring;
- tufted and punched carpet;
- vinyl flooring with backing of natural and synthetic felt;
- linoleum flooring.

Some application examples

Adesilex F57 is used for bonding:

- normal non-woven textile floorings, latex and foam backed;
- punched and tufted carpet with backings of latex, latex foam, natural jute, non-woven polyester;
- wall coverings such as non-woven, felts, moquettes;
- floor and wall coverings in natural cork;
- floorings in natural coconut;
- linoleum flooring with natural jute back

ON

all normal absorbent and moisture stable substrates, used in construction, including heated floors.

TECHNICAL CHARACTERISTICS

Adesilex F57 is an easily spread adhesive with a base of synthetic polymers and natural resins in alcohol

based solvents prepared as an easily trowelable beige paste.

Adesilex F57 being an adhesive in alcohol solution provides an excellent initial grip, and when dry (around 24 hours), attains high final adhesion, able to support intense light foot traffic. In the case of areas subject to wheeled chairs, Adesilex F57 must be applied at a rate of at least 600 g/m².

RECOMMENDATIONS

- Do not use Adesilex F57 externally (use for example Adesilex G19).
- Do not use Adesilex F57 for installing carpets with backings of polyurethane foam or PVC foam (use for example Adesilex V4 or Ultrabond Eco V4 SP).
- Do not use Adesilex F57 for installing carpets with backings of polypropylene jute (Action Bac®) (use Aquacol T and Ultrabond Eco 185).
- Do not use Adesilex F57 for installing semi-flexible, homogeneous, heterogeneous, foam backed, etc. vinyl floorings (use specific adhesives).
- Do not use Adesilex F57 for wall coverings of vinyl or paper.
- Do not install on screeds that are still damp or that maybe subject to rising damp.
- Do not use at temperatures lower than +10°C or higher than +30°C.

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APPLICATION PROCEDURE

Preparation of the substrate

The substrate must be uniformly dry, flat, free of cracks, mechanically strong, free of dust and loose particles, varnish, wax, oil, rust, traces of gypsum and other products that may prevent bonding.

The maximum level of humidity in the substrates when laying must conform to current standards and regulations, and in all cases according to the values recommended by the manufacturer of the coverings.

It is essential to ensure that there is no rising damp present.

Floating screeds over layers of insulation and screeds directly on the ground, must be constructed over a vapour barrier to prevent rising damp.

To repair cracks in the substrate, consolidate screeds, install quick-drying screeds or if a laying surface requires levelling off, consult the section regarding the preparation of substrates in the MAPEI catalogue or contact the Technical Service.

Acclimatization

Before starting the installation, make sure that the floor or wall covering, the adhesive and the substrate are acclimatized to the recommended temperature.

Floor and wall coverings must be removed from the packaging several hours before

installation; the lengths must be freely laid or at least loosened from the rolls to allow acclimatization and the reduction of tensions produced by the packaging.

Spreading the adhesive

Adesilex F57 is applied with a toothed trowel to the substrate in sufficient quantity so as to wet the back of the floor covering completely. The waiting time for **Adesilex F57** varies from a minimum of 0 minutes up to a maximum of 10 minutes at +23°C, depending on the type of trowel used, the absorption of the substrate and the surrounding temperature and humidity level.

Installing the covering

Follow the installation instructions given by the floor or wall covering manufacturer. Lay the floor or coating after the waiting time has expired, when the adhesive is still able to be transferred onto the back. The open time is approximately 20 minutes, and may vary according to the condition of the substrate and the surrounding conditions.

The surface must be smoothed with a wooden trowel (or similar) or by means of a weighted roller, immediately after laying the flooring, from the centre towards the edges to provide complete contact and the elimination of any air bubbles. Floor and wall coverings



Gallia Hotel - Milan:
carpet installed with
Adesilex F57



Rey Juan Carlos I Hotel
- Barcelona - Spain:
carpet installed with
Adesilex F57

TECHNICAL DATA (typical values)

PRODUCT IDENTIFICATION

Consistency:	creamy paste
Colour:	beige
Density (g/cm³):	1.50 ± 0.5
Brookfield viscosity (mPa·s):	140,000 ± 20,000 (rotor 6 - 5 RPM)
Dry solids content (%):	83 ± 2
Storage:	24 months in original sealed packaging
Hazard classification according to EC 1999/45:	highly flammable, dangerous for the environment. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet
Inflammability:	yes
Customs class:	3506 99 00

APPLICATION DATA at +23°C - 50% R.H.

Recommended application temperature:	from +10°C to +30°C
Waiting time:	from 0 to 10 minutes
Open time:	maximum 20 minutes
Ready for foot traffic:	after 2-3 hours
Final setting time:	after approximately 24 hours

FINAL PERFORMANCE DATA

Resistance to heat:	up to +60°C
Resistance to moisture:	good
Resistance to aging:	excellent
Resistance to solvents and oils:	poor
Resistance to acids and alkalis:	poor
Test of adhesion PEEL 90° in compliance with DIN 18160 - after 14 days at +23°C (N/mm):	non-woven: 2 linoleum: 1

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that have deformations may require additional smoothing.

The flooring is ready for foot traffic after a few hours depending on temperature, absorbency of the substrate and porosity of the floor covering; final setting is complete after approximately 24 hours.

Cleaning

Adesilex F57 is easily cleaned from tools, clothing and hands with alcohol. In the case of accidental contact with the upper surface of the covering, it is recommended to effect cleaning by mechanical means (for example by brushing) after the adhesive has completely dried (at least 24 hours).

CONSUMPTION

Trowel No. 1: 300-350 g/m²

Trowel No. 2: 400-450 g/m²

Trowel No. 3: 500-550 g/m²

PACKAGING

Adesilex F57 is supplied in approved drums of 19 kg and 9 kg.

STORAGE

Adesilex F57 is flammable. Therefore the precautions dictated by local regulations must be observed.

Under normal conditions and in its original unopened packaging, **Adesilex F57** is stable for at least 24 months.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Adesilex F57 is highly flammable. Do not smoke while using the product, and do not apply or store close to naked flames or sparks. Wear protective gloves and goggles.

Adesilex F57 is hazardous to aquatic organisms - do not dispose of the product in the environment.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this 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 applications; 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.

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