



Adesilex PA

Synthetic resin-based adhesive in alcohol for wooden flooring



WHERE TO USE

Use **Adesilex PA** for bonding:

- parquet in strips or mosaic;
 - any type of wood flooring in small sizes;
 - prefinished parquet in small sizes
- on**
- anhydrite and asphalt screeds;
 - cementitious screeds;
 - wood underlayments;
 - chipboard and masonite panels;
 - underfloor heating systems;
 - **Mapecem, Topcem and Topcem Pronto** screeds.

TECHNICAL CHARACTERISTICS

Adesilex PA is a rapid-setting synthetic resin-based adhesive in alcohol formulated in a thixotropic, easy to trowel paste of a light wood colour.

Adesilex PA does not contain water and by the solvent evaporation it forms a film with high bonding strength and flexibility and absorbs the normal thermal and hygrometric movement of wood over the substrate.

RECOMMENDATIONS

- Do not use **Adesilex PA** for wooden planking and large size pre-finished wood sections (use **Lignobond**).

- Do not use in areas that are extremely cold: the area should be heated in winter.
- Do not use over screeds if rising damp is present (install a vapour barrier between the ground and the screed).
- Do not use in open areas without doors or closings.
- Do not use if the wood has a moisture content incompatible with the environmental humidity.
- Do not use if the screed is not dry or if the moisture content is higher than that recommended by the flooring manufacturer (check the moisture content throughout the entire thickness).
- Do not use if the walls and ceilings in the area are not completely dry.

APPLICATION PROCEDURE

Preparing the substrate

The substrates must be dry, flat, sound, free of dust, loose particles, cement laitance, varnish, wax, oils, rust, and gypsum residues.

The moisture content must be as recommended by the flooring manufacturer.

Check the moisture content throughout the entire thickness of the substrate with an electric or carbide hygrometer, keeping in mind that the latter gives only approximate values.

TECHNICAL DATA (typical values)	
PRODUCT IDENTIFICATION	
Consistency:	creamy paste
Colour:	beige
Specific gravity (g/cm³):	1.5
Dry solids content (%):	78
Brookfield viscosity (mPa·s):	60 000 6 rotor - 10 rpm
Storage:	24 months in a dry place in original sealed packaging
Hazard classification to according EC 99/45:	highly flammable. Before use refer to the "Safety Instructions for the preparation and application" paragraph and the information on the packing and safety data sheet
Customs class:	3506 91 00
APPLICATION DATA	
Recommended application temperature range:	from +10°C to +30°C
Open time at +23°C - 50% R.H.:	approx. 5 to 10 minutes
Adjustability time at +23°C - 50% R.H.:	approx. 20 to 30 minutes
Set to light foot traffic at +23°C - 50% R.H.:	after 24 to 72 hours
Finishing:	after at least 48 to 72 hours
FINAL PERFORMANCE DATA	
Resistance to humidity:	good
Resistance to ageing:	excellent
Resistance to temperature:	good
Flexibility:	good
Underfloor heating systems:	suitable
Tensile adhesion (oak on concrete) after 28 days at +23°C:	> 3.0 N/mm²

For forming fast-drying cement screeds with controlled shrinkage use Mapei's special hydraulic binders: **Mapecem**, which enables flooring to be installed after 24 hours and **Topcem** after 7 days.

Floating screeds over insulation or light-weight layers (eg. light-weight concrete) and concrete slabs on grade must be provided with a vapour barrier to prevent rising damp.

Weak concrete on screed surfaces must be removed or, where possible, consolidate with **Profas** or **Primer EP** (see the Technical Data Sheet).

Cracks or crazing should be repaired with **Eporip** (see the Technical Data Sheet).

If levelling is needed use **Ultraplan** or **Nivorapid** levelling compounds with high mechanical strength for thicknesses not lower than 3 mm.

For thicknesses over 15 mm, use **Planicrete** mixed with appropriately graded sand and portland cement, or **Ultraplan Maxi**.

Very absorbent cementitious or anhydrite substrates must first be primed with **Primer PA**. Asphalt surfaces need not be treated.

Spreading the adhesive

Before applying, stir the **Adesilex PA** in the bucket thoroughly, then apply it on the substrate evenly with a Mapei n. 3 notched trowel (coverage: approx. 700 to 1000 g/m²) or with a Mapei n. 4 notched trowel (coverage: approx. 900 to 1200 g/m²), depending on the kind of wood or the type of substrate.

The open time of **Adesilex PA** is about 5 to 10 minutes. Spread about 1 m² of the adhesive and set the wood immediately, pressing lightly. Make sure the adhesive transfers completely to the back. The room temperature should be at least +10°C ÷ +5°C (comply with national industry regulations).

Installing the parquet

The parquet must be kept in a dry, sheltered place, must not be subject to condensation, and must not be stored directly on the ground.

Before installing, check that the moisture content of the wood is as recommended by the manufacturer and compatible with the ambient humidity.

Press the parquet firmly into place to make

sure the **Adesilex PA** transfers completely. Never install the parquet in contact with the perimetral walls. Leave an expansion joint of about 1 cm around the perimeter, around columns and any elements crossing the floor. Do not bond the parquet pieces to each other (follow the flooring manufacturer's instructions).

Sanding the parquet

Before sanding, make sure the wood is stable and that the adhesive is completely dry (wait at least 2 to 3 days). At low temperatures and over substrates that are not very absorbent, drying time could be longer.

Cleaning

Clean tools and machinery with alcohol.

CONSUMPTION

Consumption varies according to the type of substrate from 600 to 1200 g/m² with MAPEI trowel n. 3 or n. 4.

PACKAGING

Adesilex PA is available in 16-kg buckets.

STORAGE

Adesilex PA is stable for 24 months when stored in a cool, dry place in its original sealed packaging.

SAFETY INSTRUCTIONS FOR THE PREPARATION AND APPLICATION

The product contains flammable solvents. Keep away from sources of ignition. Use in well-ventilated areas. Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness and dizziness.

FOR PROFESSIONALS.

WARNING

Although the technical details and recommendations contained in this report 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
of the product are available
upon request**



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