



# 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, Mapecem Pronto, 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, Ultrabond P902 2K** or **Ultrabond P990 1K**).
- 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

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	creamy paste
Colour:	beige
Density (g/cm <sup>3</sup> ):	1.5
Dry solids content (%):	78
Brookfield viscosity (mPa·s):	270 (7 rotor - 3 rpm)
APPLICATION DATA (at +23°C - 50% R.H.)	
Recommended application temperature range:	from +10°C to +30°C
Open time:	approx. 5 to 10 minutes
Adjustability time:	approx. 20 to 30 minutes
Set to light foot traffic:	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 (N/mm <sup>2</sup> ):	> 3.0

hygrometer, keeping in mind that the latter gives only approximate values.

For forming fast-drying cement screeds with controlled shrinkage use MAPEI's special hydraulic binders: **Mapecem** and **Mapecem Pronto** which enable flooring to be installed after 24 hours, **Topcem** and **Topcem Pronto** after 4 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 **Prosfas** or **Primer EP** (see the relative Technical Data Sheet). Cracks or crazing should be repaired with **Eporip** (see the relative Technical Data Sheet).

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

Very absorbent cementitious or anhydrite substrates must first be primed with **Eco Prim T**. Asphalt surfaces need not be treated.

#### Spreading the adhesive

Before applying, stir **Adesilex PA** in the bucket thoroughly, then apply it on the substrate evenly with a MAPEI n. 3 notched trowel (consumption: approx. 700 to 1000 g/m<sup>2</sup>) or with a MAPEI n. 4 notched trowel (consumption: approx. 900 to 1200 g/m<sup>2</sup>), depending on the kind of wood or the type of substrate.

The open time of **Adesilex PA** is approx. 5 to 10 minutes. Spread approx. 1 m<sup>2</sup> 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

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 approx. 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/m<sup>2</sup> with MAPEI trowel n. 3 or n. 4.

#### PACKAGING

**Adesilex PA** is available in 16 kg buckets.

#### STORAGE

**Adesilex PA** is stable for 12 months when stored in a cool, dry place in its original sealed packaging.

#### SAFETY INSTRUCTIONS FOR THE PREPARATION AND APPLICATION

**Adesilex PA** is easily inflammable. We recommend storing it away from heat and sparks, to avoid smoking, to prevent the build up of electrostatic energy and to work in well ventilated areas. Furthermore may irritate the eyes.

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

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](http://www.mapei.com)

**All relevant references  
for the product are available  
upon request and from  
[www.mapei.com](http://www.mapei.com)**



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