

# ADESILEX VS45

High and fast initial grab adhesive for resilient wall coverings



## WHERE TO USE

Hard set, dispersion adhesive, specific for resilient wall coverings on absorbent substrates.

### Some application examples

Use **Adesilex VS45** for bonding:

- homogeneous and heterogeneous PVC wall coverings;
- multilayer PVC wall coverings;
- LVT (Luxury Vinyl Tiles).

## TECHNICAL CHARACTERISTICS

**Adesilex VS45** is a solvent free, acrylic adhesive in water dispersion, formulated in a ready to use light beige paste. Characterised by a fast and strong initial grab and a rapid set, as well as a rigid and cohesive final film, it gives the floor coverings a very good dimensional stability.

Product properties:

- very easy to apply;
- short waiting time;
- excellent wet grab, such that wall coverings, even if heavy, remain perfectly positioned;
- excellent wetting even with impervious covering;
- rapid set development;
- very good peel strength;
- solvent free;
- non-flammable;
- harmless to the health of the installer and the end-user

## RECOMMENDATIONS

- Install in recommended temperatures, normally between +15°C and +35°C.
- Do not install on substrates not protected from rising damp.
- In case of cork with cork backing, use **Ultrabond Eco Contact**.

## APPLICATION PROCEDURE

### Preparing the substrate

Substrates must be dry, absorbent, 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.

On non-absorbent substrates, apply a smoothing compound to a minimum thickness of 2 mm.

*The regulations of each country as for the residual moisture content must be strictly followed.*

It is essential to make sure there is no rising damp present. In order to make the substrate suitable for the laying, please refer to the technical documentation concerning the smoothing compounds and the products for the preparation of substrates, or contact the MAPEI Technical Services Department.

## Acclimatisation

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

## Spreading the adhesive

**Adesilex VS45** is ready to use and does not need any preparation. Before using, stir the adhesive in the bucket. Apply the adhesive evenly to the substrate with a suitable notched trowel.

When installing thin wall coverings, a long nap roller may be used as an alternative (ensure the wetting of the backing material).

## Installing the wall covering

*Follow the manufacturer's instructions*

Leave a waiting time according to the application quantity, climatic conditions, substrate absorbency and type of covering. Only apply as much adhesive as can be covered within the open time and with good transfer to the backing of the covering. Lay the wall covering whilst still wet: the adhesive ridges has to be impressed.

Take care to avoid air pockets and carefully rub the wall covering down to ensure good adhesive transfer to the backing. Avoid excessive stress at the seams. After some minutes installing the wall covering, it is always necessary to carefully roll it down again or to firmly rub it down.

**Note:** *waiting and open time may vary depending on temperature, relative humidity and absorbency of the substrate. They will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with low absorbent substrates.*



Stesura di Adesilex VS45 con spatola n. 1



Accostamenti dei teli



Stesura dell'adesivo dopo la posa del telo in PVC risvoltato sullo spigolo



Posa del telo successivo

## CLEANING

While still wet, **Adesilex VS45** can be cleaned from floor coverings, tools, hands and clothing with water. When dry, clean with alcohol or a suitable solvents.

## CONSUMPTION

Consumption varies with uniformity of substrate, the back of the flooring and type of trowel used.

MAPEI trowel no. 1: approx. 250-300 g/m<sup>2</sup>

Roller: approx. 200 g/m<sup>2</sup>

Notch TKB A1/A2: approx. 200-300 g/m<sup>2</sup>

## PACKAGING

Adesilex VS45 is available in 5 kg and 16 kg drums.

## STORAGE

Under normal conditions, **Adesilex VS45** is stable for at least 12 months in its original sealed packaging. Protect from frost.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Adesilex VS45** is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemicals. 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.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	creamy paste
Colour:	beige
Density (g/cm <sup>3</sup> ):	1.25
pH:	8.50
APPLICATION DATA (at +23°C - 50% R.H.)	
Application temperature range:	from +15°C to +35°C
Waiting time:	0-10 minutes
Open time:	10-20 minutes
Ready for use:	24 hours
FINAL PERFORMANCE DATA	
PEEL 90° adhesion test according to EN 1372 (N/mm): – homogeneous PVC: – heterogeneous PVC:	in compliance with EN 14259

## 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)

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*The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.*

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