

# 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.*



## 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

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website [www.mapei.co.uk](http://www.mapei.co.uk).

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

## N.B.

Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given or responsibility accepted other than the product supplied by us will meet our written specification. End users should ensure that our latest product data and safety information sheets have been consulted prior to use.

**Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.co.uk](http://www.mapei.co.uk)**

## LEGAL NOTICE

*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. The most up-to-date TDS can be downloaded from our website [www.mapei.co.uk](http://www.mapei.co.uk)*

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