



282/1.99

® ADESILEX VS45

WATER DISPERSION ADHESIVE FOR PVC WALL COVERINGS

WHERE TO USE

Interior installations of PVC and PVC foam wall coverings.

Typical applications

ADESILEX VS45 is used for installing:

- PVC foam wall coverings.
- Homogeneous and composition PVC wall coverings.
- PVC foam with polyester back.
- Polystyrene foam.
- Cork wall covering with PVC back.
- High density rock-wool.

OVER

- all normal absorbent and moisture-stable substrates used in construction.

TECHNICAL CHARACTERISTICS

ADESILEX VS45 is an acrylic adhesive in water dispersion for application in a single coating in an easily trowellable white paste.

ADESILEX VS45 is not inflammable and contains no toxic substances; it can therefore be stored with no special precautions and presents no health hazards during use.

ADESILEX VS45 is a thixotropic paste which ensures such high initial grab when wet that even heavy wall coverings

remain perfectly in place; its viscosity makes it easily trowellable. Initial waiting time varies from 0 to 10-15 minutes at +23°C. Maximum open time is approx. 30-40 minutes at +23°C.

Once it has dried, in 24 hours, the ADESILEX VS45 film is flexible, with extremely high cohesion and adhesion.

RECOMMENDATIONS

- Do not use ADESILEX VS45 for installing non-porous wall coverings on non-porous surfaces Use ROLLCOLL or ADESILEX VZ or ADESILEX V4 SP).
- Do not use ADESILEX VS45 at temperatures below +10°C or above +35°C.



Applying ADESILEX VS45 with n. 1 trowel

- Do not use ADESILEX VS45 on walls subject to possible rising damp.

DIRECTIONS FOR USE

Preparation of the substrate
Substrates must be smooth, dry, absorbent, resistant, free of dust, loose particles, paint, oil.
For cement substrates, the moisture content must be a maximum of 2.5% to 3%; for gypsum-based substrates, a maximum of 0.5%.



Joining sheets

When walls are insufficiently even, a smoothing coat is needed:

- 1) for gypsum walls, use:
 - a) GYPSUM COMPOUND R6, gypsum-based stucco-smoother for thicknesses up to 3 mm to 4 mm per coat.
 - b) SILISTUCCO, ready-to-use synthetic stucco used to obtain an especially smooth surface (maximum thickness 1 mm).

- 2) for cement walls, use:
 - a) NIVOPLAN or NIVORAPID for thicknesses up to 2 cm per coat.
 - b) PIANOCEM FINE for smoothing small imperfections or porosities up to 2 mm thick.

Add at least 2 kg of LIVIGUM to PIANOCEM FINE for each 25 kg bag of powder.

- 3) for wood walls:
 - a) SILISTUCCO.
 - b) NIVOPLAN mixed with ISOLASTIC, without adding water.
 - c) NIVORAPID mixed with ISOLASTIC, without adding water.

Acclimatization

Before beginning the installation, make sure that the adhesive, the wall covering, and the wall are acclimatized to the recommended temperature.

The wall covering must be removed from packaging several hours before installing; rolls must be freely laid or at least loosened to permit acclimatization and reduction of tensions produced by packaging.

SPREADING THE ADHESIVE

Spread enough ADESILEX VS45 on the support with a notched trowel to wet the back of the wall covering completely. Waiting time for ADESILEX VS45 varies, depending on the type of trowel, the absorption of the substrate, and on the temperature and humidity conditions from approx. 0 to 10-15 minutes at +23°C.

TECHNICAL DATA

PRODUCT IDENTIFICATION:

Consistency:	creamy paste
Color:	white
Specific gravity:	1.32 g/cm ³ ± 0.03
pH:	7.5 ± 0.5
Dry solid content:	68% ± 2%
Brookfield viscosity:	140,000 cPs ± 40,000 7 rotor, 20 rpm
Storage:	12 months in original unopened packaging. Avoid prolonged exposure to frost.
Health hazard according to EEC 88/379:	no
Customs class:	3506 91 00

APPLICATION DATA:

Application temperature range at +23°C - 50% R.H.:	+10°C to +35°C
Waiting time at +23°C - 50% R.H.:	0 to 15 minutes
Open time +23°C - 50% R.H.:	max. 30 to 40 minutes
Final setting time +23°C - 50% R.H.:	after 24 hours

FINAL PERFORMANCE DATA

Resistance to ageing:	excellent
Stripping strength at +90°C in compliance with FEICA standards after 14 days at +23°C, homogeneous PVC:	2.3 N/mm

Installing the wall-covering

Follow the installation instructions given by the wall-covering manufacturer. The wall-covering can be installed after the waiting time has elapsed and while the adhesive can still transfer to the backing of the material: open time is maximum 30 to 40 minutes depending on the type of wall and on ambient temperature and humidity conditions. For gypsum walls, a coat of PRIMER G diluted 1 to 3 with water is recommended. Install when the primer is completely dry. The surface must be smoothed with a wooden float (or similar) immediately after placing the wall-covering, smoothing from the center

toward the outside in order to guarantee adhesion over the entire surface and eliminate air bubbles.

Deformed wall-coverings may need further smoothing. Final curing is completed in approx. 24 hours.

Cleaning

Fresh ADESILEX VS45 can be cleaned from wall-covering, tools, hands and clothing with water. After drying, clean with alcohol or PULICOL.

COVERAGE

with n. 1 trowel 250 to 300 g/m²



Applying adhesive after turning a corner with a sheet of PVC



Placing the adjoining sheet

with n. 2 trowel 300 to 350 g/m²
with n. 3 trowel 400 to 450 g/m²

PACKAGING

ADESILEX VS45 is available in 25 kg, 5 kg, and 1 kg buckets.

STORAGE

Protect from frost during transit and storage. Avoid prolonged exposure to temperatures below 0°C. Under normal conditions and in its original unopened packaging ADESILEX VS45 is stable for at least 12 months.



WARNING

N.B. 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.

N.B. FOR PROFESSIONAL USE ONLY



This symbol identifies all Mapei adhesives in water dispersion and indicates that no fire prevention certificate for inflammable products is needed.



MAPEI QUALITY SYSTEM



MAPEI - ITALIA



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