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# ® ADESILEX V4

## UNIVERSAL ACRYLIC ADHESIVE IN WATER DISPERSION FOR RESILIENT FLOOR COVERINGS



### WHERE TO USE

Interior installations of vinyl, linoleum, cork, coconut fibre flooring, needlepunch / tufted carpet, and vinyl wall coverings.

### Typical applications

ADESILEX V4 is used for installing:

- Homogeneous and composition PVC floor tiles and sheet;
- Semi-flexible vinyl flooring;
- Natural or synthetic felt-backed vinyl;
- Synthetic jute-backed linoleum flooring;
- PVC-backed cork;
- Coconut-fibre flooring with latex-primed back;

- Foam-backed, polyurethane-, PVC foam-, rubber-, synthetic jute-backed, polypropylene Action Bac, non-woven polyester-backed tufted carpet;
- Latex- and foam backed needlepunch woven flooring;
- Wall coverings in PVC and rigid PVC sheets;
- PVC-film backed or resin-bonded needlepunch, provided they are not moisture-sensitive.

### INSTALLED OVER

all normal absorbent substrates used in construction.

### TECHNICAL CHARACTERISTICS

- ADESILEX V4 is an acrylic adhesive in water dispersion formulated in an easily trowelable white paste for application in a single coating.
- ADESILEX V4 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 V4 has good initial tack and after approx. ten minutes (at +23°C) is ready to receive all types of non-moisture sensitive resilient and woven floor and wall coverings, provided the support is somewhat absorbent. Open time is approx. 20-30 minutes at +23°C. After drying (in 24-48 hours) the ADESILEX V4 film is flexible with extremely high cohesion and bonding.

### RECOMMENDATIONS

- Do not use ADESILEX V4 for installing non-porous floor and wall coverings on non-absorbent surfaces (use ADESILEX G19, ADESILEX V4 SP, or ADESILEX VZ).
- Do not use for exterior carpet installations (use ADESILEX G19 or ADESILEX G20).
- Do not use for installing cove base, tack strip, or rubber or PVC floor coverings on stairs (use ADESILEX VZ, ADESILEX LP or AQUAGUM.)
- Do not use ADESILEX V4 for installing any type of rubber flooring in exteriors, in areas subject to heavy traffic or in very damp environments (use ADESILEX G19, ADESILEX G20, or ADESILEX G12).
- Do not use ADESILEX V4 for installing natural jute-backed linoleum, cork linoleum or natural cork (use AQUACOL L.)
- Do not use ADESILEX V4 at temperatures below +10°C or above +35°C. (Follow the floor covering manufacturer's installation instructions).

- Do not use on substrates subject to possible rising damp.
- Do not use ADESILEX V4 on gypsum or anhydrite surfaces with residual moisture higher than 0.5%.

## DIRECTIONS FOR USE

### Preparation of the substrate

Substrates must be thoroughly dry, absorbent, level, resistant to compression and tensile stress, free of dust, loose particles, paint, wax, oil, rust, traces of gypsum and products which can interfere with bonding, and should not contain cracks.

For cement substrates, the moisture content must be a maximum of 2.5% to 3%; for gypsum-based or anhydrite substrates, a maximum of 0.5%.



Homogeneous PVC sheets being installed over ADESILEX V4

It is also indispensable to make sure that there is no rising damp present.

For preparation of fast-curing non-shrink cement screeds, use MAPECEM or TOPCEM, special hydraulic binder.

Concrete underlayments that are uneven or not sufficiently level, old marble floors, terrazzo, and ceramic tiles must be levelled with PIANODUR R, PLANOLIT, ULTRAPLAN, PLANO 3 or NIVORAPID, depending on requirements and on desired thickness.

For thicknesses greater than 1.5 cm, use PLANICRETE mixed with appropriately graded sand and Portland cement or ULTRAPLAN MAXI.

On metal supports, use PLASTIGUM LEGANTE with POWDER CF.

For special supports, call our Technical Assistance department.

Insufficiently solid concrete surfaces must be removed or consolidated, if possible, with PROSFAS or PRIMER EP. Surface cracks or crazing in concrete surfaces must be repaired with EPORIP.

Before finishing existing floors (cement terrazzo, ceramic tiles, marble), clean thoroughly with caustic soda or other suitable material (rinse with water) and apply a primer (PRIMER G or

## TECHNICAL DATA:

### PRODUCT IDENTIFICATION:

Color:	white
Consistency:	buttery paste
Specific gravity:	1.35 g/cm <sup>3</sup> ± 0.05
pH:	7 to 7.5
Brookfield viscosity:	90,000 cPs ± 10,000 6 rotor, 5 rpm
Dry solid content:	72% ± 1%
Inflammability:	no
Health hazard classification according to EEC 88/379:	none
Storage:	12 months in original unopened packaging. Avoid prolonged exposure to frost.
Customs class:	3506 91 00

### APPLICATION DATA:

Application temperature range:	+10°C to +35°C
Waiting time at +23°C - 50% R.H.:	0 to 10 minutes
Open time at +23°C - 50% R.H.:	max. 30 minutes
Ready for traffic at +23°C - 50% R.H.:	after 2 to 4 hours
Final setting time:	after 24 to 48 hours

### FINAL PERFORMANCE DATA:

Resistance to moisture:	good (for short periods)
Resistance to ageing:	excellent
Resistance to solvents and oils:	fair
Resistance to acids and to alkalis:	good
Stripping strength at 90° in compliance with FEICA standards after 14 days at +23°C for homogeneous PVC:	3.0 N/mm



Installing homogeneous PVC tiles over ADESILEX V4

MAPEPRIM SP), or BITUPRIM bituminous primer (the latter does not require removing traces of old adhesive, provided it is well anchored). The choice of primer depends on requirements or on the type of finishing compound (see technical data sheets).

On non-absorbent supports, smoothing must be at least 3 mm thick.

### Acclimatization

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

The floor and wall covering must be



Argentina Theatre, Rome. Liuni carpet installed with ADESILEX V4

Deformed floor and wall coverings may require further smoothing. The floor is ready for foot traffic after several hours, depending on temperature, absorbency of the substrate, and porosity of the material. ADESILEX V4 dries completely in approx. 24 to 48 hours.

### Cleaning

Fresh ADESILEX V4 can be cleaned from flooring, tools, hands and clothing with water. After drying, clean with alcohol or PULICOL.

### COVERAGE

Coverage varies, depending on the substrate, type of backing, and trowel used:

with n. 1 trowel 250 to 300 g/m<sup>2</sup>

with n. 2 trowel 300 to 350 g/m<sup>2</sup>

with n. 3 trowel 350 to 400 g/m<sup>2</sup>

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

With a notched trowel, apply ADESILEX V4 evenly onto the substrate in sufficient quantity as to wet the back of the floor covering completely.

Depending on the type of trowel used, absorption by the substrate, and ambient temperature and humidity conditions, drying time for ADESILEX V4 is approx. 10 minutes at +23°C.

### Installing the floor-covering

Follow the installation instructions given by the floor covering manufacturer. Install the floor or wall covering after the waiting time has elapsed and while the adhesive can still transfer to the material's backing; open time is approx. 20 to 30 minutes depending on the type of substrate and ambient temperature and humidity conditions.

The surface must be smoothed with a wooden block (or similar object) or with a heavy roller immediately after laying the flooring, from the center outward, to break down adhesive ridges and to ensure removal of entrapped air.



Italian Pavillion at EXPO '92 in Seville. Esalux-Liuni PVC flooring installed with ADESILEX V4



Spreading ADESILEX V4 for installation of homogeneous PVC tiles



Installing homogeneous PVC tiles with ADESILEX V4, bonding on two adjoining sides

## PACKAGING

ADESILEX V4 is available in 25 kg, 12 kg, and 5 kg buckets and 1 kg packs.

## 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 V4 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.*



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