242/1.99

®ADESILEX VZ CONDUCTIVE

DOUBLE COAT POLYCHLOROPRENIC ADHESIVE FOR CONDUCTIVE FLOORING

WHERE TO USE

Bonding of rubber and PVC conductive flooring and copper strips in interiors.

Typical applications

Use ADESILEX VZ CONDUCTIVE for bonding:

- conductive vinyl flooring;
- conductive rubber flooring for operating rooms, chemical laboratories and factories, areas containing electronic instruments, data processing centres, etc.;
- corners or skirting in conductive PVC or rubber.

ON

all absorbent and non-absorbent substrates generally used in building.

TECHNICAL CHARACTERISTICS

ADESILEX VZ CONDUCTIVE is a double coat adhesive with a polychloroprenic rubber base in a solvent solution with special additives that ensure electrical conductivity, formulated in an easily trowelable black paste.

ADESILEX VZ CONDUCTIVE is flammable, therefore precautions must be taken to prevent fires. Provide sufficient ventilation to prevent solvent fumes from accumulating, do not light fires, avoid striking sparks and do not smoke.

ADESILEX VZ CONDUCTIVE has good early grab and flooring can be installed after a waiting time of maximum 10 minutes (at +23°C). The open time is 10 to 15 minutes at (+23°C) and the installation absolutely must be done within that amount of time to ensure bonding.

The adhesive bonds instantly and cures completely after approximately 48 hours.

RECOMMENDATIONS

- Do not use install the flooring before the solvent contained in ADESILEX VZ CONDUCTIVE has evaporated completely, or after too much time has elapsed.
- Do not use on damp substrates or substrates subject to rising damp.

APPLICATION PROCEDURE

Substrate preparation

The substrate must be uniformly dry, flat, resistant to compression and tensile stress, free of dust, loose particles, paint, wax, oils, rust, gypsum residues or any other materials that may interfere with bonding, and without cracks.
Check moisture content throughout the entire thickness of the substrate with an electric or carbide hygrometer, keeping in mind that the latter gives only approximate values.
It is essential to make sure that no rising damp is present.

The moisture content must be as follows: a maximum of 2.5 to 3% for cementitious substrates and 0.5% for gypsum or anhydrite based substrates.
Floating screeds over layers of insulation and screeds over bare ground must be poured over a vapour barrier to prevent rising damp.
Cracks or crazing on concrete surfaces should be repaired with EPORIP (see the

MAPEI®

Setting the copper wire with ADESILEX VZ CONDUCTIVE

Technical Data Sheet).
Insufficiently solid concrete surfaces must be removed or, where possible, repaired with PROSFAS or PRIMER EP (see the Technical Data Sheet).
For forming fast drying cement screeds (24 hours) use MAPECEM special hydraulic binder.
Concrete substrates that are uneven or insufficiently flat, and existing marble, terrazzo and ceramic tile flooring must be levelled with PIANODUR R, PLANOLIT, ULTRAPLAN, or NIVORAPID as required, depending on the desired thickness.
For thicknesses over 1.5 cm, use PLANICRETE mixed with appropriately graded sand and Portland cement, or ULTRAPLAN MAXI.

Acclimatising

Before installing, make sure that the flooring, the adhesive and the substrate are acclimatised to the recommended temperature. Several hours before installation the floor covering should be removed from its wrapping and unrolled, or at least loosened, to acclimatise it and reduce the tensions caused by the packaging.

Equipotential earth contact

Equipotential earth contact (earthing) should be done in compliance with regulations (CEI, DIN, AMSO, NFPA, ANSI, etc.). Spread the ADESILEX VZ CONDUCTIVE with a fine-notched trowel to bond the copper strips (0.08 to 0.10 mm thick and 10 to 25 mm wide) of the conductive grid to the substrate.
Test the conductivity of the grid before installing the flooring.

Spreading the adhesive

Because of the differing densities of the components, sedimentation of the conductive material in the ADESILEX VZ CONDUCTIVE may occur. Stir the adhesive in the bucket thoroughly before using. Make sure any sediments are completely dispersed.
Apply the ADESILEX VZ CONDUCTIVE with a fine-notched trowel (Mapei trowel n. 1) on both the substrate and the back of the floor covering. Very absorbent substrates may first need a thin primer coat. Wait for the solvent to dry completely, i.e. from 5 to 10 minutes at +23°C.

ADESILEX VZ CONDUCTIVE is flammable. Make sure there are no open flames in the work area, especially when spreading the adhesive. Make sure the area is adequately ventilated until the installation is completed.

Installing the floor covering

Follow the manufacturer's installation instructions

Lay the flooring once the solvent has completely evaporated (do not wait too long): the right amount of time can easily be gauged by waiting until the adhesive is still sticky to the touch without its coming off onto one's fingers. Then lay the floor covering very carefully: errors cannot be corrected because the adhesive bonds instantly. Press firmly with a wooden trowel (or similar) or metal roller. The adhesive bonds instantly but cures completely after a few days.

Cleaning

While still wet, ADESILEX VZ CONDUCTIVE can be removed from tools and clothing with THINNER FOR

TECHNICAL DATA:

PRODUCT IDENTIFICATION:	
Consistency:	thick liquid
Colour:	black
Specific gravity:	0.9 g/cm³ ± 0.1
Brookfield viscosity:	7,500 ± 2,500 cPs: 4 rotor, 20 rpm
Dry solids content:	28% ± 1
Storage:	12 months in original packaging
Health hazard EC 88/379:	toxic
Inflammability:	yes
Customs class:	3506 91 00
APPLICATION DATA AT +23°C - 50% RH:	
Application temperature range:	+10°C to +35°C
Waiting time:	maximum 20 minutes
Setting time:	bonds instantly
Final cure:	several days depending on temperature
FINAL PERFORMANCE DATA	
Electrical resistance:	20,000 to 50,000 ohms
Resistance to moisture:	excellent
Resistance to ageing:	excellent
Peel 90° adhesion test in compliance with DIN 16860 after 14 days at +23°C:	homogeneous PVC: 1.8 N/mm

ADHESIVE or an equivalent solvent. When dry, use PULICOL or clean mechanically.

COVERAGE

Approximately 300 to 400 g/m² with a n. 1 trowel.

PACKAGING

ADESILEX VZ CONDUCTIVE is available in 10-kg buckets.

STORAGE

ADESILEX VZ CONDUCTIVE is flammable.

Proper precautions must be taken as required by law. Under normal conditions ADESILEX VZ CONDUCTIVE is stable for 12 months in its original sealed packaging.

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

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