



Adhesive sealant for assembly works

Examples for Application

- Bonding/Sealing of moisture diffusing, fleece laminated groove strips in window, door and façade assembly
- Bonding of EPDM films and profiles on each other or on different materials
- Automotive and vehicle body manufacturing
- Used for bonding and sealing in diverse industrial fields

Special Properties

- Very low emission*
- elastic adhesive joint
- Thixotropic, does not drip off
- Solvent-free
- freeze-resistant
- Not foaming
- Low shrinkage
- Excellent adhesion to the most varying building materials (stone, concrete, plaster, floor screed, dry lining boards, wood and diverse metals) as well as to the joint tapes in question
- Bonding of joint tapes on slightly humid, dusty and absorbent substrates
- Compensates the expansion of different materials
- Good early rain resistance

Certificates / Test reports

GEV

*Classified in the EMICODE class EC1^{PLUS} in compliance with the criterions of the GEV.

Licence No.: 16718



French VOC-Emission class A+

Technical Data

Basis	1-C-humidity-cross-linking silane-terminated polymer
Colour hard-dry	black
Density as per EN 542 at +20 °C	approx. 1.50 g/cm ³
Shore hardness as per DIN 53505	approx. 34 Shore A
Viscosity as per plate-plate (2 s ⁻¹) at +25 °C	approx. 580 000 mPa.s
Breaking elongation as per DIN 53504	approx. 230 %
Skin formation time - dry at +20 °C, 50 % r. H., applied quantity 500 µm-PE/PVC	approx. 16 min
Curing speed at +20 °C, 50 % r. H.	approx. 2 mm in 24 h
Curing time at +20 °C, 50 % r. H. until it reaches the final strength	approx. 7 d
Frost resistance	to -26 °C
Operation temperature range	from -40 °C to +100 °C
Processing temperatures adhesive and substrates	from +5 °C to +30 °C
Tensile shear strength as per DIN EN 1465, Alu/Alu, 0.2 mm joint at +20 °C	ca. 1.2 N/mm ²



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Applied quantity / adhesive yield

Diameter of adhesive bead	600 ml tube bag
4 mm	47.7 run. metres
5 mm	30.6 run. metres
6 mm	21.2 run. metres

General Information

With increased air humidity or after the adhesive has been sprayed with water, the skinning time will be clearly shorter.

If joint tapes, etc. are bonded outdoors, make sure that, despite mostly good "early rain resistance of the adhesive sealants", there is no intensive moisture load, e.g. continuous rain, or running off moisture, before it has been cured completely.

Cured adhesive sealants have a good water resistance, however applications with continuously high air humidity, e.g. swimming pools or other wet room areas (among others also because of the aggressive chloric and humid air) are to be avoided.

The curing time varies depending on temperature and air humidity.

The here specified time parameters can only be determined accurately by self-tests because they are strongly influenced by material characteristics, temperature, applied quantity, air humidity, material humidity, thickness of adhesive film, press power, and other criterions. Usually, appropriate safety factors are considered for the guiding values.

Preparation

Acclimatize the product before the application to processing temperature. Do not spontaneously heat up with heaters.

Application on frozen, ice-free surfaces is possible provided that the climatic conditions reach +5 °C on this workday

Bonding

The adhesive is homogeneously applied (as thick bead of 4 - 6 mm) on the joint tape, or on the supporting building material (also possible on slightly humid, dusty, absorbent substrates).

After that, the joint tape is fit together with a relief loop for strain relief and fixed by slightly pressing on (do not press the bead flat, >1 mm thickness shall remain).

The adhesive is not self-adherent and therefore, it is not suitable for the method of contact bonding.

Important instructions

Only instructed personnel in specialist firms are allowed to use the product!

Our user instructions, processing guidelines, product- and performance data, and other technical statements are only general directives; they describe only the condition of our products (values, determination of values on the date of completion) and the performances do not represent a warranty in the sense of § 443 BGB. **Because of the wide variety of applications of the individual product and the relevant special conditions (e. g. processing parameters, material characteristics, etc.), it is up to the user to test it itself;** our free expert advice for application provided in speech, writing, and as test is nonbinding.

Please, also consider the Safety Data Sheet!

Cleaning

Remove the fresh, not cured adhesive from the surfaces and the tools using COSMO® CL-300.150.

Cured adhesive can only be removed mechanically.

Storage

Store the hermetically closed original trading units in a dry place at temperatures of +15 °C to +25 °C no direct sun radiation.



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While transported within the usual transport times, the product may be exposed to temperatures of -30 °C to +35 °C.

Storage life in unopened original packaging: 12 Months

Packaging

310 ml PE-Euro cartridge, net weight: 460 g

600 ml Alu/PP-tube bag, net weight: 890 g

Other trading units on request.



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