

# COSMO DS-430.110

\*\*\* COSMOPLAST DSK 267

## Adhesive sealant for vapour-proof barriers

### Examples for Application

- For permanently elastic, airtight bonding of joints, structural connections and overlaps, sealing of diffusion barriers, vapour-proof barriers and sealing films in dry construction (except swimming pools) in accordance with the energy saving regulation EnEV 2016.
- Bonding/Sealing of diffusion-tight and moisture diffusing seal tapes with window and door assembly.

### Special Properties

- Permanently elastic self-adherent adhesive joint
- Thixotropic, does not drop off
- Joint filling
- Solvent-free
- Fast functional strength
- Can be used without contact pressure strip in accordance with DIN 4108-7 (2011-01) for joints and connections with new building and refurbishment measures.
- 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 films in question
- Achieves the required air-tight connections/final sealings of building envelopes
- Bonding of films, window groove strips, on slightly humid, dusty and absorbent substrates
- high adhesive strength after complete curing time
- no corrosion caused on metals

### Certificates / Test reports

French VOC-Emission class A+

### Technical Data

<b>Basis</b>	Modified dispersion
<b>Colour</b>	
Hard-dry	Ivory
<b>Viscosity</b>	
at +20 °C	Medium viscous-pasty
<b>Density</b>	
as per EN 542 at +20 °C	approx. 1.21 g/cm <sup>3</sup>
<b>Curing time</b>	
Depending on the absorbency of the materials and bead thickness	from 48 h



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### Frost resistance

Frost resistance to -30 °C

Acclimatize the product before the application to processing temperature. Applied quantity:

**Operating temperature range** -30 °C to +80 °C

### Applied quantity / adhesive yield

Diameter of adhesive bead	310 ml Euro-cartridge	600 ml tube bag
4 mm	24,7 run. metres	47,7 run. metres
5 mm	15,8 run. metres	30,6 run. metres
6 mm	11,0 run. metres	21,2 run. metres
7 mm	8,1 run. metres	16,6 run. metres
8 mm	6,2 run. metres	11,9 run. metres

### Minimum processing temperature

Building materials and environment: above -5 °C

Adhesive: above +5 °C

## Instructions for use

The surfaces of the workpieces to be bonded must be dry, and free from dust and grease.

The adhesive is homogeneously applied (as thick bead of 4 - 8 mm) on the film, the window groove strip, or on the supporting building material (also possible on slightly humid, dusty, absorbent substrates).

After that, the film or the window groove strip, is fit together with a relief loop for strain relief within the wet phase of the adhesive bead and fixed by slightly pressing on (do not press the bead flat, >1mm thickness shall remain).

Due to the self-adherent properties of the adhesive, released bondings can be bonded again.

If films, window water stops, 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. though continuous rain, or running off moisture.

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.

Dispersion adhesives cure because moisture is released (physical drying); the building material must be sufficiently absorbent to ensure the hardening of the adhesive sealant.

Alternatively, bonding on non-absorbent substrates can also be done using the method of contact bonding after adhesive has dried conditionally (16 - 20h in a dust-free environment).

Examples for material moisture for orientation:

Building materials	Vol. %
Roof-tiles	≤2.5
Plaster	≤5
Dry lining boards	≤5
Concrete	≤5
Cellular concrete	≤8



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Wood

≤12

In the individual case, the material has to be prepared (e.g. heating, pre-drying of the surfaces to be bonded / adhesive) in a sufficient way; provide for sufficient room ventilation.

The curing time (drying process) varies depending on temperature and air humidity.

The cured mass changes its colour due to UV radiation but not its strength in the cured bonded joint.

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.

### 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

Tools with fresh, not-cured adhesive can be cleaned with water.

Cover the cured adhesive with a cloth soaked with COSMO CL-300.150 and let it act. After the adhesive has been softened, it can be removed. Depending on the thickness of the adhesive film, this process is to be repeated.

### Storage

Store in the hermetically closed original packages, dry at temperatures of +15 °C to +25 °C, no direct sun radiation.

During the storage time, viscosity is increasing.

Storage life in unopened original packagings: 12 Months.

### Packaging

310 ml PE-Euro cartridge, net weight: 370 g

600 ml Alu/PP-tube bag, net weight: 715 g

Other trading units on request.



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