

COSMO HD-100.411

1-C-MS-Anti-Corrosion Sealant

Examples for Application

- Corrosion protection of blank aluminium sections
- Sealing, e.g. of mitres, butt joints in aluminium construction.
- Used for bonding and sealing in diverse industrial fields

Special Properties

- Very low emission*
- Easily applicable, for instance, with foamed roll or spreader
- Elastic adhesive joint
- Thixotropic, does not drop off
- Solvent-free
- Not foaming
- Joint filling
- Low shrinkage
- Does not impact the curing behaviour of other adhesives which are processed in parallel
- Compensates the expansion of different materials
- Good weather resistance outdoors
- Good UV-stability
- Can be over-coated with many paint systems
- Can subsequently be powder-coated (annealing temperatures $\leq +180\text{ }^{\circ}\text{C}$)

Certificates / Test reports

ILAK, Institut für Lackprüfung

Salt spray test as per DIN EN ISO 9227

Test report No.: 3-4-14

GEV

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

Licence No.: 7872



French VOC-Emission class A+

Technical Data

Basis: 1-C-humidity cross-linking silane terminated polymer

Colour

Hard-dry Grey



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Density

as per EN 542 at +20 °C

approx. 1.44 g/cm³

Shore hardness

as per DIN 53505

approx. 30 Shore A

Viscosity

at +20 °C

Low-viscous-pasty

Skinning time - dry

at +20 °C, 50% r. H.

approx. 25 min

Applied quantity 500 µm-PE/PVC

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

Watertightness

After dynamic load (SS 818141) and after alternating climatic storage.

Water column 140 mm.

Setting speed

at +20 °C, 50 % r. H.,

until it reaches the final strength

approx. 4 mm in 24 h

7 d

Temperature range

-40 °C to max +100 °C,

Short-term temp. (powder coating) up to +180 °C

Minimum processing temperature

from +5 °C

Instructions for use

Polyolefins (among others PE, PP) cannot be bonded without preparation, e.g. plasma- or corona treatment. If PS-hard surfaces are bonded, generally we recommend using a primer.

Bonding of PVC, ABS, PC and powder-coated surfaces should only be done after pre-treatment of the bonding surfaces with the activator COSMO CL-310.110 by wiping.

Bonding of concrete, cellular concrete, sandstone and building brick should only be done after pre-treatment of the bonding surfaces with the activator COSMO CL-310.110 by brush (up to 50 ml/m²).

Apply the bonding compound on one side of the dry, grease- and dust-free surface to be glued.

The workpieces must be fit together and pressed within the skinning time.

After they have been fit together, the parts must be fixed and pressed until functional strength has been reached.

Remove leaked out material when it is fresh.

Skinning, joining times, as well as the required press and following processing times can only be determined accurately by self-tests because they depend on material, temperature, applied quantity, air humidity, material humidity, thickness of adhesive film, press power, and other criterions. For processing, appropriate safety allowances shall be planned in addition to the specified guiding values.



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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 material from the surfaces and the tools using COSMO CL-300.150.

Cured material can only be removed mechanically.

Storage

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

Storage life in unopened original packagings: 12 Months.

Packaging

Alu-PE film tube bag with recloseable tip, net weight: 150 g

310 ml PE-Euro cartridge, net weight: 440 g

Other trading units on request.



Industrieverband
Klebstoffe e.V.



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