

COSMO DS-480.110

*** COSMOPLAST 1247

A1 - adhesive

Examples for Application

- Bonding of absorbent insulating materials, for instance, mineral wool, Promat, Thermatex or gypsum boards to each other and on absorbent substrates in the field of fire protection.
- Bonding of absorbent insulating materials on galvanized and stainless steel sheets, e.g. for the construction of fire protection doors.

Special Properties

- After curing, it achieves bondings of extremely high heat resistance
- Non-flammable

Technical Data

Basis	Aqueous sodium silicate solution with inorganic pigments
Colour	
Hard-dry	approx. RAL 7039 quartz grey
Viscosity	
as per Brookfield (06/200 min ⁻¹) at +20 °C	approx. 2 750 mPa.s
Density	
as per EN 542 at +20 °C	approx. 1.56 g/cm ³
pH value	
as per EN 1245	approx. pH 11.5
Open time:	
at +20 °C, 50% r. H.	
Applied quantity 150 µm glass	approx. 1.5 min
Applied quantity	
Depending on carrier material	approx. 150 - 300 g/m ²
Pressing power	0.2 - 0.4 N/mm ²
Heat resistance	to +800 °C
Minimum processing temperature	from +8 °C

Instructions for use

Agitate the adhesive to get a homogeneous substance before processing.

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

The adhesive is homogeneously applied on the surfaces of the parts to be bonded using a spatula, an adhesive application roll, or a bead application unit, within the skinning time.

One of the material substrates must be absorbent.

In case of metallic surfaces it will be enough to apply the adhesive on one side of the metal surface.



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

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

The can be pressed on under cold or hot condition.

Remove oozing adhesive when it is fresh.

Please consider that the fresh adhesive can cause corrosion on blank metal surfaces if it can act there for a longer term. After the adhesive have cured, no cases of corrosion are known that can be attributed to cured adhesives.

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.

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

13.2 l PE bucket, net weight: 15 kg.

Other trading units on request.



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