



# 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

<b>Basis</b>	Aqueous sodium silicate solution with inorganic pigments
<b>Colour</b> hard-dry	approx. RAL 7039 Quartz grey
<b>Viscosity</b> as per Brookfield (06/200 min <sup>-1</sup> ) at +20 °C	approx. 2 750 mPa.s
<b>Density</b> as per EN 542 at +20 °C	approx. 1.56 g/cm <sup>3</sup>
<b>pH value</b> as per EN 1245	approx. pH 11.5
<b>Open time</b> at +20 °C, 50 % r. H. application quantity 150 µm glass	approx. 1.5 min
<b>Applied quantity</b> depending on carrier material	approx. 150 - 300 g/m <sup>2</sup>
<b>Pressing power</b>	0.2 - 0.4 N/mm <sup>2</sup>
<b>Heat resistance</b>	to +800 °C
<b>Processing temperatures</b> adhesive and substrates	from +8 °C to +30 °C

### Instructions for use

Acclimatise the product before the application.

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 one of the surfaces of the parts to be bonded using a spatula, an adhesive application roll or a bead application unit.

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.

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!



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

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

Storage life in unopened original packaging: 12 Months

**Packaging**

13.2 l PP bucket, net weight: 15 kg.

Other trading units on request.

