

CEM811 ONE-COMPONENT ADHESIVE

Polymer Adhesive

PRODUCT DESCRIPTION

CEM811 One-Component Adhesive is an adhesive / sealant which create an elastic seal. It is Styrene rubber and solvent-based. CEM811 is for industrial applications and can be applied with the glue press or trowel.



APPLICATION AREAS

One-Component Adhesive CEM811 used as joint sealant and building adhesive.

Application examples include:

- ✧ Excellent adhesion and sealing of metal constructions, foils (for example TPO/FPO, PVC-P, PE), concrete constructions, wood and more
- ✧ Suitable for outdoor use
- ✧ Gluing of construction foils overlap
- ✧ Particularly suitable for materials which require silicone-free sealing and bonding
- ✧ CEM811 may be used with the following BPA products:
SilverSeal, DualProof, QUELLMAX, CEMswell and CEMflex VB Plate
- ✧ Adhesion and sealing for various applications

Note: Do not apply to untested surfaces. Self-testing before use on the respective material is recommended.

HOW DOES ONE-COMPONENT ADHESIVE CEM811 WORK?

CEM811 reacts and create an elastic rubber seal with an excellent adhesion on most construction materials.

CHARACTERISTICS AND ADVANTAGES

- ✧ Ready for use silicone- and isocyanate-free polymer adhesive and sealing compound with broad adhesion spectrum
- ✧ Permanent elastic
- ✧ Non-corrosive
- ✧ Weather- and ageing resistant
- ✧ Good UV-resistance
- ✧ No blistering
- ✧ Tight in case pressurised and non-pressurised water

PRODUCT DATA

	One-Component Adhesive CEM811	Article-No.
Dimensions/ Packaging	290 ml cartridge, 20 units per box 600 ml sausages, 12 units per box	40-174 (on request) 40-175
Storage	Shelf-life is 12 months when stored free from frost and sunlight in temperatures +15°C until +25°C.	



APPROVALS

- CEM811 tested as adhesive and sealant in combination with the DualProof PVC, DualProof TPO/FPO and SilverSeal System

TECHNICAL DATA

Material basis	Polymer; silicone- and isocyanate-free
Application Temperature (Sealant and substrate)	+5°C up to +40°C
Temperature stability range (fully cured sealant)	-15 up to +55°C
Shore A hardness (DIN 53505)	42 ± 9 units
Consistency	stable
Maximum movement tolerance (MDV)	10%
Skin forming time (23°C/50% r.F.)	approx. 25 min
Cure rate (within first 24 hours)	approx. 3 mm
Colour	white or black
Penetration (DIN 51579 / 5 sek.)	220 ± 50 1/10 mm
Slump of Sealants and performance capability (ASTM 2202)	≤ 2 mm
Tensile strenght (DIN EN ISO 8339-A, 100%)	approx. 1,1 N/mm ²
Volume loss (DIN EN ISO 10563)	Max. 8%

ADDITIONAL INFORMATION

Application CEM805

Substrate Pretreatment

The substrate must be dry, firm, and free of dust and grease (clean with cleaner, if necessary).

Before application remove any cement slurry, mold release agents, curing agents etc., or any other substances that may inhibit adhesion.

Note: On coated substrates (paints, lacquers), compatibility to the sealant must be tested.

Bonding Applications

Apply the adhesive to the substrate as a bead. Apply the counterpart to be bonded with light pressure (e.g. press on using a pressure roller). Ensure that the average remaining thickness of the adhesive layer is at least 1 mm. For larger moisture-impermeable bonding or contact surfaces (e.g. metal, PVC), we recommend applying the adhesive in parallel beads with sufficient spacing.



Important Remarks

The function of the sealant can only be guaranteed if correctly applied in accordance with the technical recommendations given in this data sheet and in related standards. Sealant application in situations with strongly fluctuating temperatures (premature stressing of the sealant) must be avoided.

Good ventilation must be provided during application and curing to allow curing by-products to evaporate. Low temperatures can retard skin formation and curing significantly.

Dangers and Safety

The essential safety, toxicological, physical and ecological data for the handling of CEM811 can be taken from the product-specific safety data sheets.

Data

All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Legal advice

All above mentioned Information concerning BPA products, especially any recommendations and advices relating to the application and use of BPA products are given in good faith based on BPA's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with BPA's recommendations.

In practice, the differences in materials, actual site conditions and other factors outside are such that no warranty nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

The user of the product must test the product's suitability for the intended application and purpose before proceeding with the full application of the products. BPA reserves the right to change the properties of its products without notice.

Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request. All sales of BPA are subject to our current terms and conditions.

Local Restrictions

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local product data sheet for the exact description of the application fields.

