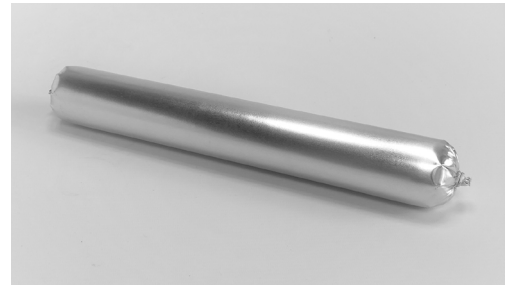


CEM807 ACTIVE HYDROPHILIC, SOLVENT-FREE ADHESIVE

One-component, solvent-free adhesive and sealing compound

PRODUCT DESCRIPTION

CEM807 “active” is a one-component, solvent-free adhesive and sealing compound which swells in contact with water for the sealing of joints and pipe penetrations.



APPLICATION AREAS

CEM807 “active” is specifically designed for the following applications:

- 📍 Sealing of flat and uneven construction joints, even on damp surfaces
- 📍 Sealing of flat and uneven cold joints, even on damp surfaces
- 📍 Sealing of joints between prefabricated concrete elements (cable and pipe penetrations/ducts) also in wet conditions
- 📍 Sealing of connections between steel girders and concrete floor slabs
- 📍 Sealing of uneven surfaces and concrete substrates
- 📍 Fixing of swelling tapes and injection hoses
- 📍 Sealing of distance tubes
- 📍 Sealing between sheet piles and concrete floor slabs

HOW DOES CEM807 “ACTIVE” WORK?

CEM807 “active” is a hydro-swelling, solvent-free sealant and adhesive for sealing joints and pipe penetrations. CEM807 “active” swells (by at least 450%) and cures upon contact with water or moisture to form a permanent seal with long-lasting adhesion and waterproofing characteristics. Curing time depends on the prevailing temperature and the existing moisture. High temperature and high levels of moisture shorten the curing time. The performance of CEM807 active is not influenced by the curing time.

CHARACTERISTICS AND ADVANTAGES

- 📍 Solvent-free
- 📍 Outstanding adhesion and filling characteristics ensure safe and reliable cavity filling even on damp and uneven surfaces.
- 📍 Can be applied to concrete, on different types of plastics (for example PVC) and steel
- 📍 Swells to up to approximately 450% of its original, dry state upon contact with water.
- 📍 CEM807 “active” is a very flexible sealant (elongation at break > 800 %) and adapts well to uneven/rough surfaces.
- 📍 Simple application/handling in a sausage
- 📍 CEM807 “active” remains functional for the whole lifespan of the structure.
- 📍 Good chemical resistance
- 📍 CEM807 “active” can be applied underwater and has a great adhesion to the most surfaces
- 📍 Application temperature between +5°C and +30°C (40 °F and 85°C)
- 📍 Usable with BPA products like Quellmax, CEMswell, DualProof (Pre-applied waterproofing sheet system), etc.



PRODUCT DESCRIPTION

	CEM807 "active" hydro-swelling, solvent-free, sealant and adhesive	Article-No.
Dimensions/ Packaging	600 ml (20 ounces) sausages, 12 units per box	40-163
Storage	Shelf-life is 12 months when stored free from frost and sunlight in temperatures between +5 and +20°C.	

TECHNICAL DATA

Property	Value
Viscosity	Paste-like
Density (at 20°C)	approx. 1,44 kg/dm ³
Skin formation (at 20° C and 60% RH)	approx. 120 min
Hand dry (at 20° C and 60% RH)	approx. 10 h
Final Cure (at 20° C and 60% RH)	approx. 24h
Flash Point	> 130° C (120 min)
Elongation at break	> 800 %
Resistance to hydrostatic pressure	50 m water column (72.5 dpi)
Swelling capacity in contact with water	approx. 450 % of its original dry volume
Concrete pouring (dry conditions)	Do not pour concrete directly on applied product. Minimum curing time: 24 h.

ADDITIONAL INFORMATION

CEM807 "active" should be applied onto a dust-free surface. The surface can be rough or smooth, moist or dry. When applying CEM807 "active" in underwater or very wet conditions, be certain to cast the concrete within 6 hours to prevent premature swelling.

Preparation of the product

- ✂ Cut the moisture proofing aluminum foil on one side of the sausage end.
- ✂ Put on the nozzle (opened sausage end) and place the cartridge into sausage / caulking gun.
- ✂ Close the sausage / caulking gun (e.g. using the cap).
- ✂ Cut the nozzle diagonally at the appropriate position.



Example picture of a sausage / caulking gun



Application method

CEM807 "active" is applied with a sausage / caulking gun in an interrupted band (minimum diameter 8 up to 10mm (5/16" up to 3/8")), in the middle of the joint or prefab element. Concrete cover should be at least 7 cm (3") on both sides, in order to avoid cracks from the expansion pressure of the CEM807 "active".

Consumption

The consumption of CEM807 "active" per linear meter depends on the (concrete) surface quality.

Nozzle Diameter	Lenght (with 600 ml sausage)
8 mm	approx. 8,5 m
10 mm	approx. 5,5 m

Environment and health

This product does not represent a hazardous substance within the meaning of the EU Hazardous Substances Regulation. A safety data sheet for transport, placing on the market and use is available on the request.

Dangers and Safety

The essential safety, toxicological, physical and ecological data for the handling of CEM807 "active" 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.

