

CEMproof® CEM 805 “active“

One-component Sealing Agent for Special Solutions in Concrete Construction

Product

CEM 805 “active“ is a one-component, polyurethane-based, solvent-free, hydroswellable sealing agent for the sealing of construction joints and around pipe penetrations. CEM 805 “active“ cures and swells in the presence of moisture. Curing time depends on temperature and humidity conditions, i.e. curing time will reduce, if RH and °C are higher. CEM 805 “active“ will become firm in 24-36 hours. Performance is not affected by the curing time.



Field of Application

CEM 805 “active“ is specially designed for the following fields of application:

- Sealing rough and smooth construction joints of in-situ cast concrete
- Sealing joints between pre-cast segments (e.g. manholes, box culverts, cable ducts and pipes)
- Sealing around steel H-beams
- Sealing between rough surfaces (e.g. slurry walls) and concrete slabs
- Bonding of waterstop tapes and injection hoses
- Sealing around bolt spacers and void formers

Advantages of CEM 805 “active“

- Solvent-free
- CEM 805 “active“ can be applied to concrete, PVC, HDPE, steel, etc
- The excellent filling and adhesion properties of CEM 805 “active“ provide a first line filling of cracks and voids, even on lightly humid, smooth or rough surfaces
- In contact with water CEM 805 “active“ will expand to about 200 % of its original volume
- CEM 805 “active“ is an extremely flexible system, which adapts to the irregular surface of the substrate
- Easy application with standard caulking gun
- CEM 805 “active“ is durable and will exceed the construction's life
- Good all-round chemical resistance
- Can resist to petroleum products, mineral and vegetable oils and greases
- CEM 805 “active“ is approved for contact with potable water

Technical Data of CEM 805 “active“

Property	Value	Norm
Solids	100%	Test CEM
Uncured:		
Consistency	gel/paste	Test CEM
Density (at 20 °C)	approx. 1,45 kg/dm ³	DIN 53504
Slump in vertical applications	< 5mm (average 3 mm)	Boeing test
Touch-dry (at 20 °C and 60 % rel. humidity)	12 h	Test CEM
Flash point	> 130° C	Pensky - Martens - Method
Cured (7 days at 20 °C and 10 mm thick):		
Elongation at break	approx. 625 %	DIN 53504
Tensile strength	approx. 2,2 N/mm ²	DIN 53504
Resistance to hydrostatic pressure	up to 150 m of water column	Test CEM
Swelling capacity in contact with water	approx. 200 %	Test CEM

Form of Delivery / Storage

310ml cartridges, 12 cartridges/box, 75 boxes/pallet
Special packing on request.

Store in cool and dry conditions in original packing.
Shelf life 12 months.

Disposal

Dispose of the cured material in a domestic waste.