



Swelling Paste Type E

BBZ AG

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The new Swelling Paste fulfills all the requirements for the permanent sealing of construction joints. Based on a 1-component Polyurethane, the paste is applied by utilizing a standard size caulking gun. Due to its exceptional adherence, the paste can be applied on most building materials in dry or moist conditions. This highly resistant paste is designed to be used in structures which have contact with chemicals and saline liquids.

Field of Application:

- For any construction joint.
- As a substitute for DUROSEAL Swelling Gaskets.
- As an Adhesive Glue for DUROSEAL Swelling Gaskets.
- To secure penetrations of walls and floors by means of piles and tubes made of concrete, steel or plastic.
- To secure construction joints and connecting joints.

Advantages:

- Swelling capacity of up to 250%
- No “washing out” effect
- Very good bonding on dry and moist substrates
- One component, to be used with standard caulking guns

Storage:

Shelf life of 9 months if stored at 41° to 77° Fahrenheit.

Application:

The paste will be applied by standard caulking guns on dry and humid surface. Temperature of application is 41° to 104° Fahrenheit but low temperatures will render more difficult to extrude and slow down the hardening process of the paste. During cold weather we recommend to store the paste in warm places until use.

Use:

1. Remove bottom lid and empty drying agent.
2. Punch extrusion port and free entire cross section (this reduces resistance of extrusion).
3. Set up nozzle and cut approx. 6-10mm in suitable angle.
4. Direct caulking gun at a 45° angle towards the surface and extrude paste evenly.

For the ease of application if used in large numbers we recommend pneumatic guns and mechanical guns with high gear.

Important:

Never apply product on frozen surface!
Apply product 24 hours before concrete to give sufficient time to harden!
Protect product against rain to avoid premature swelling!

Pack Size:

Cartridges at 310 ml
Cartons at 6 cartridges
Pallets at 147 cartons = 882 cartridges

Test Liquid	Stability	Swelling
Unleaded fuel	resistant / discoloring	~ 46%
Gasoline	resistant / discoloring	~ 2%
Toluene	resistant	~ 143%
Xylene	resistant	~ 85%
Methanol 50%	resistant	~ 405%
Isopropanol 50%	resistant	~ 500 %
N-methylpyrrolidone	resistant / discoloring	~ 618%
Ethylacetate	resistant	~ 195%
Methylisobutylketon	resistant	~ 87%
Acetic acid 10 %	limited resistance	~ 150%
Formol 36%	resistant	~ 500%
Sulphuric acid 10 %	resistant	~ 193%
Sulphuric acid 20 %	resistant	~ 231%
Sodium chloride 26 %	resistant	~ 25%

Uncured Material		
Viscosity	Gel/paste	
Specific gravity (20° C)	1.57	ASTM D1638
Vertical slump (20° C)	3 mm	
Tach-free (20° C, 60 % R.H.)	12 hours	
Flash point	265° F	ASTM D-93
Corrosiveness	Non-corrosive	
Cure time (minimum)	12 hours	
Cured Material (3 days at 20° C)		
Shore hardness	39-A	ASTM D 2240
Tensile strength	265 psi	ASTM D 3574-86
Elongation	625%	ASTM D 3574-86
Tearing strength	176 psi	ASTM D 790
(Swelling) expansion (in water)	≥ 250%	
Degree of swelling (1 + expansion/100)	≥ 3.5	
Toxicity	Non-toxic	
Corrosiveness	Non-corrosive	
Solubility in water	Non soluble	
Storage	9 months	
Storage temperature	41° to 77° Fahrenheit	
Content	310 ml (10.5 oz.)	
Swelling expansion pH = 7 pH = 13	380 % (9 days) 580 % (3 days)	