

VAL® FOAM

Product Description

VAL FOAM is a hydrophilic and solvent free low viscosity polyurethane injection resin for moving non-structural cracks.

Characteristics / Advantages

- It is solvent free and non-flammable
- High Tensile Strength
- Excellent Bonding strength
- Chemically inert
- No effect of freeze and thaw cycles
- This can be used for sealing water ingress in tunnels segments joints
- Corrosive environments don't affect VAL.
- Sealing expansion joints
- Sealing wet, non-structural cracks
- Can also be used to seal dry, moving cracks by using it with water in 1:1 ratio
- Expansion Joint
- Sewer Pipes etc.

Technical Parameters

VAL FOAM uncured		
Properties	Norm	Values
Solids	EN ISO 3251	100%
Viscosity(25° C)	EN ISO 3219	400mPa.s
Density(20°C)	EN ISO 2811	1100 kg/dm ³
Flash point	EN ISO 2719	107°C
Colour		Yellow brownish liquid

VAL FOAM after Reacting	
Properties	Values
Curing time 1/1 water	Start 20 seconds End 3 minutes
Expansion factor 1/1 water	4V

**Values will vary site to site as per conditions*

How it Works?

VAL FOAM is specially designed for injection of joints or repairing leaks in concrete structures. When in contact with water, it forms a flexible gel/ rubber (type) in the joint/crack. It is useful even in the case which has substrate movement. The resin when in contact with water, expands and form a resilient, flexible foam. It is not washed out even when water volume is high. It reacts with water, fill voids and close the leakage by sealing water leaks.

It is used as a 1 component system, when we inject into wet conditions, 2 Component system in a 1:1 ratio with water as a second component, when we inject into dry cracks.

Storage

Store away from frost and heat in a dry area. It is sensitive to Humidity Storage temperature is between 5°C and 30°C. Shelf Life – 1 Year approx.

Legal Notes

All data in our product information are based on our current knowledge and experience. They do not release users from careful testing of the application and strict observation of the relevant processing regulations because of the wide range of possible influences during the application and use of our products. Legally valid assurances of specific characteristics or suitability for special purposes of application other than those provided in our documentation for the specific product cannot be inferred from our information. The recipient or processor of our products at their own responsibility must follow any protective rights or existing laws and provisions. Moreover, our general terms and conditions of sale and warranty are valid.