POLYURTHANE

DHP-2000 Hydrophilic Rigid Foam Type

Product Information

Rigid Polyurethane Foam is a single component hydrophobic water cut-off grout and soil stabilization grout based on a MDI (methylene-dephenylisocyanate) polyurethane. Upon contact with water DHP-2000 reacts to a foam while expanding its volume up to 30 times. The cured material is semi fexible and of a constant volume. Since water is not a component of the foam structure, the cured material is essentially not effected by water or dryness. The reacted material does not shrink or swell.

Characteristics

• Contraclion rate after hardening is the lowest in Ih is industry. • Since it forms high densily Closed Cell Foam, nor water and moisture can penetrate Into It. • It Is very easy to remove hardened substances of fowed Foam Walerstop out of crack spot. • Since it has low viscosity, It Is easy to Inlect

Usage

• For use of water stop treatment in cracks and leakage area of all concrete structures with relatlvely little vibraüon

Application Area

Use for the cracks water stop of concrete structures and wster stop treatment for joint areas, wet areas and areas of considerable leaks, and can be used in the following areas.

• Waterstops leaking section of basement parking lot and underground concrete structure.
• Waterstops fractured leakage section of structure acused by vibration.
• Waterstops leakage of concrete joint section.
• Waterstops leakage section where humidity and dryness is mixed up together.
• Waterstops treatment of wet leakage areas of concrete structures.

Property Data		
Classification	Base Value	
Exterior Appearance	Brown Transparent Liquid	
Mixing Rate	1 Component Type	
Viscosity	260 ± 50	KS M ISO 2555
Specific Gravity	1.1 ± 0.1	KS M 0004:2007
Tensile Strength	15 kgf/cm^2 or over	KS M 6518:2006
Elongation Percentage	30% or Under	KS M 3734:2006
Packing Unit	20KG / 10KG	
Foaming Percentage	3300% or over(20℃)	

Reaction Data on a Different Temperature Conditions				
Temperature Conditions	5℃	15℃	25℃	30℃
Foaming Starts(sec)	65	42	26	19
Foaming Ends(sec)	415	345	220	200
Foaming Percentage	2950	3200	3500	3700
Viscosity	950	450	250	205