



Multicrete Polyurethane Water Cut-Off

Technical Data Sheet

Product Description

Multicrete Polyurethane Water Cut-Off & Soil Stabilization Grout is made of polyurethane, which reacts with water by expanding. The cured product is a cellular material.

Uses

This grout is extremely well suited for the filling of large, cavernous spaces and cracks in stone or concrete structures. Additionally, this grout is used for cutting off running water of high pressure and speed.

Polyurethane Water Cut-Off & Soil Stabilization Grout

can also be used as an effective chemical grout for soil stabilization; the moisture content of the soil must be sufficient to ensure reaction of the material. The stabilized soil will be of a content volume and will be insensitive to moisture or dryness.

Application

This grout is composed of two components which are supplied separately, to achieve a longer shelf life. Component A contains a Poly isocyanate. Component B is an accelerator to increase the gel time. There are two different accelerators B and Bs available to adjust the gel-time individually.

Mixing Ratio: (Parts by Volume)

Component A	10
Component B	1

Since the above grout reacts only with water the mixture does not have to be used up immediately.

Packaging

This product is available in 5 gallon or 0.5-gallon containers.

Technical Data

	Component A	Component B
Appearance	Dark Brown	Clear
Density g/cm ³	1.12	0.93
Flash Point: C/F	180/356	170/388
Viscosity: cps	180	20
Mixing Ratio by Volume	10	1
Solubility in Water	N/A	N/A

Cured Product – Accelerator B

Expansion %:	3000
Approximate Induction Time:	30 Seconds
Approximate Gel Time:	50 Seconds
Elongation:	20%
Corrosiveness:	Non-corrosive
Appearance:	Gold-yellow Polyurethane Foam
Toxicity:	Essentially non-toxic in cured form
Resistance to Chemicals:	Resistant to most organic solvents, mild acids, alkali and micro-organism

Cured Product – Accelerator Bs

Expansion %	3000
Approximate Induction Time:	15 Seconds
Approximate Gel Time:	30 Seconds
Elongation:	20%
Corrosiveness:	Non-corrosive
Appearance:	Gold-yellow Polyurethane Foam
Toxicity:	Essentially non-toxic in cured form
Resistance to Chemicals:	Resistant to most organic solvents, mild acids, alkali and micro-organism