



MAINROK

Technical Data Sheet

MinRok is a low viscosity hydrophobic polyurethane formulation. The system is comprised of a base resin along with an accelerator "B" component. Flexible is typically used to repair cracks or failed joints in concrete structures. The "B" Accelerator is used by the experienced installer to manipulate the reaction profile as warranted by job site conditions. Being a hydrophobic formulation, when reacted with minimal amounts of water, the resulting foam will maintain its physical form and not be subject to shrinkage due to wet/dry cycles. Flexible produces a closed cell polyurethane grout.

Advantages

- No VOC's
- Expands up to 30 times initial volume
- Pumps as a single component
- Controllable reaction times
- Excellent resistance and durability
- Outstanding adhesion
- Non-hazardous shipping
- Non-flammable
- Cures inert, non-toxic permanent seal

Applications

Recommended for use in:

- Stabilization of fractured rock, sands and gravels, and land-fill materials Void filling
- Repair of concrete
- Control of high volume water ingress

Guidelines for use

Mix materials and stir well before use. First pour the emergency polyurethane grouting accelerator into the container, and then slowly pour the main agent into the container, in the process of adding fully stir. (The weight ratio of the emergency polyurethane slurry added to the container is Component A: Component B=40:1, that is, a large bucket of main agent to a small bucket of accelerator). If multiple groups are needed for mixed use, follow the steps of accelerator→ main agent →adjusting material → accelerator main agent adjusting material→→→ accelerator→ main agent..... Add the container in turn, not more than the same type of bucket to prevent local reaction or insufficient mixing. Stir well with dry and clean sticks during addition. Grouting construction The mixed grouting liquid is filled with high pressure grouting pump corresponding parts. If there is still leakage, repeated grouting can be done. Precautions In the process of allocation and construction of grouting liquid, fireworks, electric sparks and static electricity are strictly prohibited. Construction personnel should wear protective equipment such as masks, gloves and glasses to ensure the safety of the construction site

Physical Properties Liquid		
	MainRok"A"	Accelerator"B"
Viscosity.	500cps.	25cps
Specific Gravity.	1.15	0.95
Color.	Dark brown	Clear
Flash point.	>121°C	107 °c
soid-cured		
Density	64kg/m ³	
Elongation	44%	
Tensile	29psi	
Shear	17pis	
Water Absorption	<1%	