

## DESCRIPTION

VUY Flex is a low viscosity hydrophobic polyurethane formulation. The system is comprised of a base resin along with an accelerator "B" component. Flex 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. Flex produces a closed cell polyurethane grout.

## TYPICAL APPLICATION

- Water Related Facilities
- Waste Treatment Plants
- Storm Water Systems
- Underground Vaults
- Manhole Facilities
- Concrete Dams
- Tunnels
- Earthen Dams
- Elevator Pits
- Parking Garages

## ADVANTAGES

- 100 % solids
- 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

## TECHNICAL INFORMATION

Physical Properties Liquid			
	Flexible	"B" Accelerator	Test Method
Viscosity	500 cps	25cps	ASTM D-4016
Specific Gravity	1.15	0.95	ASTM D-1475
Color	Amber	Clear	
Flash point	>250°F	225°F	ASTM D-93
-----Solid Cured-----			
Elongation	44%		ASTM D-3574
Tensile	29 psi		ASTM D-3574
Shear	17 psi		ASTM C-273
Water Absorption	<1%		ASTM D-2842
Toxicity	Non-toxic		

## USE OF ACCELERATOR "B" COMPONENT

The reaction profile is adjusted prior to pumping by the addition of Accelerator "B" into the base resin and is affected by temperature and the amount of moisture encountered. At 2.5 % (1 pint per five gallons) the expansion will start at 15 seconds and be complete at about 65 seconds. These reaction times were determined at 77° F with the addition of 2.5 % water.