

XL-720 Crosslinker

Zirconium based

Version 7/20/2020

TECHNICAL DATA SHEET

Description	XL-720 crosslinker is an aqueous, ammonia containing zirconium complex, delivered as a clear liquid.	
Functionality	The crosslinker forms a strong complex with biopolymers and synthetic polyacrylamide-based polymers to provide high viscosity fluids for hydraulic fracturing applications. XL-720 shows highest performance in fresh water and low TDS-containing water.	
How to use	The product is usually formulated with other ingredients and added as the last ingredient to prevent undesired pre-reactions with water or other components. The time for gel formation depends on the type of polymer, temperature, pH, brine strength, zirconium concentration, etc. Crosslinking time can be adjusted to job requirements. Avoid contact with copper alloys due to presence of ammonia.	
Properties	ZrO ₂ /HfO ₂ content	ca. 20 %
	Color	clear liquid
	pH	9 – 9.8
	Specific Gravity	1.34 – 1.39
	Viscosity (25 °C)	ca. 4 - 6 mPa*s
Safety and Handling	For specific safety, handling and toxicity, please see current Material Safety Data Sheet	
Typical Shelf Life	12 month (storing under appropriate conditions at ambient temperature, 20°C +/- 5°C, do not freeze)	
Packaging	IBC (1250 kg / 242 gallon), drum (250 kg / 48 gallon),	
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