



IntegraSqueeze™ Resin

IMPERMEABLE WELL REMEDIATION AND WELL ABANDONMENT SYSTEM

APPLICATIONS

- Remedial cementing operations
- Casing leaks
- Water shut-off
- Well abandonments

FEATURES & BENEFITS

- Effectively gains access and penetrates microannuli and small leaks, even in extreme wellbore geometries
- Stronger and more ductile than conventional cement
- Offers long-term durability and stability
- Withstands wellbore stresses
- Creates an effective, long-lasting seal
- Not affected by water contamination during placement
- Excess material is easily drilled

OVERVIEW

IntegraSqueeze Resin is a pumpable, control-set liquid capable of creating a permanent, impermeable seal in downhole remedial applications and well abandonment services.

Minor leaks sometimes occur in wellbore tubulars, stage collars, downhole plugs and casing annuli. These are usually manifested by annular pressure buildup or loss of well integrity.

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Traditionally, well repair has been attempted by squeezing conventional Portland cements, with limited success in many cases. Portland cement slurry contains a large fraction of solids which cannot penetrate and seal smaller orifices and porous media.

IntegraSqueeze Resin is a low-viscosity liquid with controlled set characteristics. Pressure is applied to liquid resin to penetrate split, cracked or corroded tubulars, slots, porous media and other orifices. When set, resin creates a pressure-tight seal.

The superior compressive, tensile and bond strength of set resins, along with the elasticity of the material, further enhance resin's sealing properties and resiliency.

Unlike traditional cements, resins are not susceptible to contamination while being placed in the downhole environment. Resin can also be weighted to aid placement.

IntegraSqueeze Resins can be pumped with conventional cementing equipment, minimizing operational complexity.

TYPICAL PROPERTIES

DENSITY	7 to 19 ppg
APPLICATION TEMPERATURE	60 to 300°F
SET TIME	1 to 4 hours (typical applications)
COMPRESSIVE STRENGTH	+10,000 psi
TENSILE STRENGTH	+5,000 psi
BOND STRENGTH	+2,000 psi