Schlumberger

SqueezeCRETE remedial cementing solution

Repair small gaps or fractures in wellbores at the microscale

Temperature:
4 to 160 degC [40 to 320 degF]

Applications

- Isolating a zone within a gravel pack
- Repairing primary cement and casing leaks
- Sealing lost circulation zones
- Abandoning nonproductive zones
- Isolating the wellbore during well decommissioning

How it improves wells

SqueezeCRETE* remedial cementing solution is specifically designed to penetrate narrow gaps without bridging or dehydrating during placement. This solution can seal liner tops, microannuli, old perforations, and other situations where primary isolation has failed.

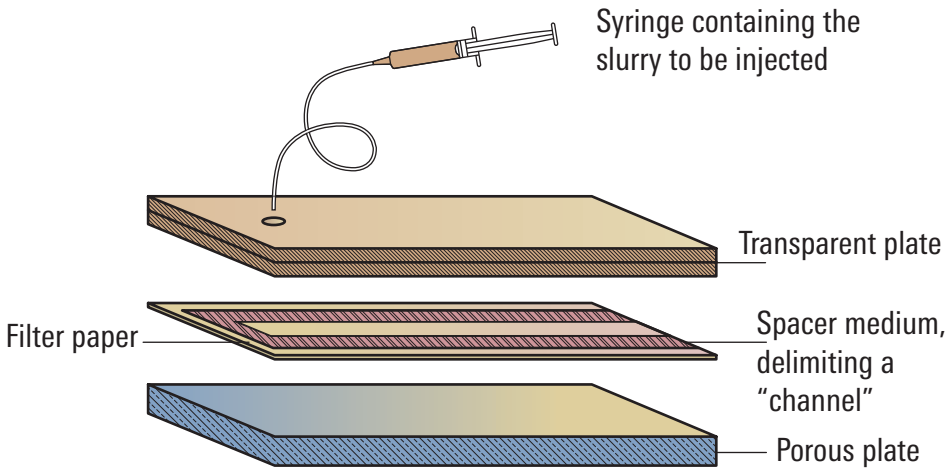
Compared with neat Portland cement, the SqueezeCRETE solution is more resistant to acid and corrosive brine, enabling the cement to seal old perforations even when future acid stimulations are planned.

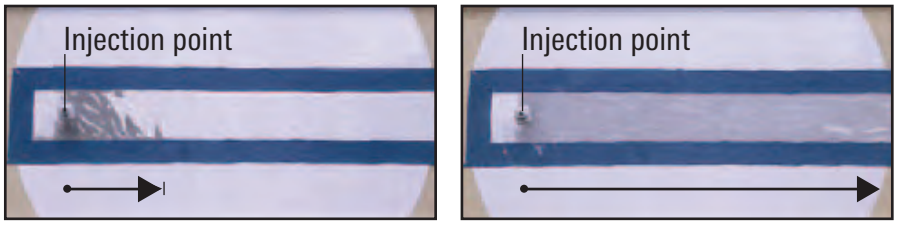
How it works

Once placed, SqueezeCRETE solution develops more than 2,000-psi compressive strength and extremely low permeability.

What it replaces

It injects farther and more efficiently into narrow slots as compared with microcement and can penetrate deeper than traditional squeeze slurries due to low viscosity and very low fluid loss values. The set cement has high compressive strength and very low permeability.





Standard microcements have limited penetration in narrow slot tests (left). SqueezeCRETE solution slurry penetrates farther, even in slots 120 um wide (right).

Additional information

SqueezeCRETE solution benefits include

- improved penetration into difficult-to-repair and difficult primary isolation failures
- superior channel-filling properties that result in improved isolation during repair
- low-placement pressures for improved fluid placement control
- complete restoration of zonal isolation or well integrity.

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