

Gas Generating Additive X-PQ

X-PQ is a gas-generating additive aimed at creating internal pressure inside a cement mortar during hydration due to uniform gas evolution.

This effect makes it possible to compensate for the drop in hydrostatic pressure during the WOC and, as a result, to prevent the formation gas from escaping with a subsequent break through the cement paste.

The presence of excess pressure during the WOC allows you to compensate for the natural shrinkage of cement stone and improve adhesion to the casing, which positively affects the results of CBL / VDL.

Advantages

- Reaction-based inhibited aluminum composition
- Not toxic, odorless
- Operating temperature range (downhole circus temperature) from 25 °C to 150 °C
- Working concentration from 0.1% to 0.5% by weight of cement (BWOC)
- Compatible with all additives
- Applicable in both fresh and saline solutions
- Applicable for CRO and cement solutions of normal density
- Used only in dry mixes; do not add to mixing liquid

Technical parameters

Пункт	Показатель*
Appearance	Dark-grey powder
Reaction delay at 25C, min	≥40
Reaction delay at 65C, min	10-15
Expansion at 65C, %	≥25

* Cement G, density 1.9gr/cm3, fresh water, X-PQ 0.5%

Packing, transportation, handling

- 3-layer 25kg bags or under customer's request
- Keep in closed packing in dry and well ventilated places
- Do not damage packing.
- Shelf time 2 years.

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