



LIST OF CEMENT ADDITIVES

The list of cement additives includes a range of BDC agents added to cement mixtures to achieve the desired properties of the final product.

Products

Modiquick 02 - Cement Additive

Description:

Modiquick 02 is a sodium silicate-based cement additive that accelerates the setting of cement slurries while simultaneously increasing early strength gain. The product is CE-marked and complies with the requirements of PN-EN 934-5 Table 2 (Admixtures for sprayed concrete).

Modiquick 02 can be used for the production of:

- Sprayed concrete,
- Injection mixtures, cement-bentonite fillings (e.g., for TBM applications),
- Cement mixtures requiring a workability time of up to 72 hours,
- Specialized mixtures in combination with set retarders and polycarboxylate polymer-based additives.

Modiretard 05 - Cement Retarder and Plasticizer

Description:

Modiretard 05 is an admixture that delays the setting time of cement while acting as a plasticizer, allowing for the preparation of mixtures with an extended workability period. Modiretard 05 complies with the PN-EN 934-2+A1: 2012 standard (Table 2 - Water-reducing/plasticizing admixtures, Table 8 - Set-retarding admixtures for concrete).

Modiretard 05 can be used for the production of:

- Ready-mix, monolithic, and sprayed concrete,
- Injection mixtures, cement-bentonite fillings (e.g., for TBM applications),
- Cement mixtures requiring a workability time of up to 72 hours,
- Specialized mixtures in combination with accelerating admixtures.

The product is CE-marked.

BDC 018 - Cement Slurry Retarder

Description: BDC-018 is a lignosulfonate-based cement slurry retarder, effective in high temperatures up to 180°C. The product can be added to all types of oil well cements.

BDC 101 - Gas Migration Prevention Agent

Description: BDC-101 is a non-toxic polymer solution used as a cement additive to prevent gas channeling and migration. The product is effective at temperatures up to 90°C.

BDC 104 - Gas Migration Reduction Additive for Cement Slurries

Description: BDC-104 is a liquid mixture of latex, surfactants, and polymers that creates an impermeable barrier preventing gas migration. The product enhances the stability of cement slurries and functions at temperatures up to 120°C.

BDC 105 - Gas Migration Reduction Additive

Description: BDC-105 is a specially formulated polymer that prevents gas migration in cement slurries. The product can be used at temperatures exceeding 150°C.

BDC 106 - Gas Migration Reduction Additive

Description: BDC-106 is a blend of latex and polymers that forms a barrier preventing gas migration during the critical hydration period of cement slurries. The product functions at temperatures up to 120°C.

BDC 135 - Fluid Loss Control Additive

Description: BDC-135 is a polymer blend that controls fluid loss in cement slurries at temperatures ranging from 15°C to 135°C, improving slurry rheology.

BDC 137 - Cement Slurry Filtration Reducer

Description: BDC-137 is a mixture of synthetic polymers that reduces cement slurry filtration. The product is effective at temperatures up to 80°C.

BDC 210 - Fluid Loss Control Additive

Description: BDC-210 is a sulfonated polyacrylate copolymer that controls fluid loss in cement at high temperatures up to 205°C. The product remains effective even at high salt concentrations.

BDC 010 - Cement Retarder

Description: BDC-010 is a lignin-based biopolymer that acts as a cement retarder, offering excellent dispersing and plasticizing properties at temperatures up to 150°C.

BDC 011 - Cement Retarder

Description: BDC-011 is a calcium lignosulfonate used as a cement retarder in low temperatures from 0 to 90°C. The product also acts as a mild dispersant.

BDC 013 - Cement Retarder

Description: BDC-013 is a sodium oxygignin derivative used as a cement retarder in temperatures from 80°C to 120°C, also acting as a mild dispersant.

BDC 014 - Cement Retarder

Description: BDC-014 is a synthetic sulfonated copolymer used as a cement retarder in temperatures from 90°C to 150°C. The product is compatible with API and POZMIX cements.

BDC 015 - Cement Retarder

Description: BDC-015 is a mixture of sodium and calcium lignosulfonates used as a cement retarder in temperatures from 120°C to 155°C.

BDC 031 - Filtration Control Agent

Description: BDC-031 is a hydroxyethyl cellulose-based polymer that reduces cement slurry filtration while also acting as a cement retarder at temperatures up to 100°C.

BDC 043 - Fluidizing Agent

Description: BDC-043 is a mixture of modified sulfonates that improves the rheological properties of cement slurries. The product is effective at temperatures above 15°C.

BDC 062 - Defoamer

Description: BDC-062 is a defoaming agent for drilling fluids and cement slurries, effective across a wide range of temperatures and salt concentrations.

BDC 102 - Gas Migration Reduction Additive

Description: BDC-102 is a non-hazardous copolymer solution that prevents gas migration and controls fluid loss in cement.

BDC 205 - Latex Fluid Loss Control Additive

Description: BDC-205 is a latex-based cement additive that controls fluid loss, increases sealability and flexibility, and improves cement bonding.

Defoamer-T - Defoamer

Description: Defoamer-T is a defoaming agent for drilling fluids and well cementing applications, designed to eliminate and prevent foam formation.

Haussmanite - Drilling Fluid and Cement Modifier

Description: Haussmanite (manganese oxide) is a high-purity synthetic product used as an additive in drilling fluids to reduce friction and improve borehole stability.

Modiwash 28 - Surfactant

Description: Modiwash 28 is a blend of anionic and non-ionic surfactants that enhances cement bonding with casing pipes and assists in cleaning borehole walls of drilling fluid residues.