



DEFOTEC Process Chemicals
CONSTRUCTION & CABLE SOLUTIONS

Additives and Superabsorbents

Construction industry

Additives for construction materials

For the construction industry DEFOTEC offers different additives to improve the quality and usability of the construction materials and thus make it more cost-effective and economical.

Powder defoamer – DEFOSPUM®

During mixing and manufacturing of construction materials (float finishes, injection mortar, gypsum plasters, fiber cement panels, etc.) specific reactions of the raw materials can create an increased amount of foam, which leads to difficulties and disruptions in the fabrication process.

With the **DEFOSPUM®** product range DEFOTEC offers a wide range of defoamers, which are mixed with the raw materials and prevent the formation of foam. Furthermore, we advise on the optimized dosing of our products, so that on the one hand functionality is increased and at the same time consumption of defoaming agents is reduced.

Flow Properties – DEFOPOL

DEFOTEC offers the products **DEFOPOL SW 10F, SW 30F, SW 50F** and **C 1005F** to improve the flow properties in mortars and plasters, which are additives for methylcellulose compounds.

Product	Application	Application advantages
DEFOPOL SW 10F	Additive for wall plasters based on lime, gypsum or cement. Additives for methylcellulose compounds	Improves pumpability and processing Improves standing on walls Prevents water loss on old, dry surfaces Improves smoothing and levelling of plasters and mortars
DEFOPOL SW 30F	Additive for cement mortars and cement plasters Additives for methylcellulose compounds	Improves pumpability and processing Improves standing on walls Prevents water loss on old, dry surfaces Improves smoothing and levelling of plasters and mortars
DEFOPOL SW 50F	Additive for tile adhesives	Improves processing Improves standing of tiles on walls Prevents water loss on old, dry surfaces
DEFOPOL C 1005F	Additive for wall plasters based on lime, gypsum or cement. Additives for methylcellulose compounds	Improves pumpability and processing Improves standing on walls Prevents water loss on old, dry surfaces Improves smoothing and levelling of plasters and mortars

Cable industry

Superabsorbents for cables, yarns and fibers

The cable industry faces the challenge that defective cables can result in costly repairs, especially on installations that are difficult to reach.

Superabsorbents (SAP) – DEFOSORB®

With the DEFOSORB® superabsorbents, DEFOTEC offers to the cable industry or its suppliers a range of water-swellable and water-blocking polymers which prevent water from penetrating into all kinds of cables and hence maintain their efficiency. Nowadays, these SAPs are incorporated in almost all types of cables. The product range includes polymers for direct entry into the cable, water-blocking cable filling compounds, SAPs for swelling tapes and yarns as well as SAPs for the coating of water-swelling fibers.

Liquid Superabsorbents (SAP) – DEFOPOL

Coating yarns and fibers with the liquid superabsorbents DEFOPOL facilitates processing and winding. Deposits on machine parts are reduced or completely prevented. These improvements enable cost-cutting potentials by reducing maintenance work.

Product	Application	Application advantages
DEFOSORB® CA 50	SAP for direct integration into cables and additive for the production of cable filling compounds	Highly effective protection for high voltage cables against water ingress. Significantly improves the water blocking properties of cable filling compounds.
DEFOSORB® CL 360	SAP for the production of water blocking swelling tapes	Enables the production of tapes with very high water absorbing properties, high swelling speed.
DEFOPOL MX 60	Liquid SAP for the coating of water-swelling yarns and fibers	Provides yarns with high swelling- and water-blocking properties. Easy handling.
DEFOPOL MX 75	Liquid SAP for the coating of water-swelling yarns and fibers	Provides yarns with high swelling- and water-blocking properties. Easy handling.
DEFOPOL MX 90	Liquid SAP for the coating of water-swelling yarns and fibers	Provides yarns with high swelling- and water-blocking properties. Easy handling. Based on a biodegradable oil phase.
DEFOPOL DB 5069	Water-based coating for the production of highly swelling yarns	Coating must be dried and crosslinked at 180°C / 60 sec. Allows extremely high absorption quantities. High swelling speeds.

Contact

DEFOTEC offers a product portfolio of well-established and innovative products, intensive advice and reliable service.



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