

FASTDRY CEL

Moisture management agent for the durable hydrophilic finishing of cellulosic fibers and their blends.

Field of application:

- For durable hydrophilic finishing of cellulosic fibers and their blends.
- For soft handle finishing of cellulosic fibers and their blends.

Characteristics & benefits:

- Distinct hydrophilic effects, particularly on cellulosic and its blends, increased comfort during wear through moisture transportation, reduced static cling of garments, assists mechanical shrinkage of knitwear and easier fabric printing and reprocessing.
- very good effects of rapid drying bath towels
- Soft handle, gives fabrics a warm luxurious feel.
- Good antistatic effects, reduced fabric processing problems especially in fabric cutting and sewing by allowing easier laying, separation and manipulation of the fabric plies and reduces static cling during display and wearing of garments. Very good durability to washing, fabric performance is maintained through multiple washing cycles.
- Product has good stability if stored as SDS guidelines. Avoid abrupt changes in temperature.
- This product fits the requirements of ZDHC program (Zero Discharge of Hazardous Chemicals).

Physicochemical parameters:

Aspect	White to slightly yellow liquid.
Chemical Nature	Aqueous composition of nonionic surfactants.
Ionic character	Nonionic.
Solubility (sol. 10% w/w)	Soluble at 25 °C under stirring.
Nonvolatile content (%)	20.0 – 24.0
pH (such as, 25°C)	6.5 – 7.5
Compatibility	Compatible with cationic, anionic, nonionic products, but it's recommended testing.

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Application:

FastDry CEL is readily miscible in the dye bath, whiteness and finishing. The product is normally applied by exhausting or padding.

Recipe recommendation:

Exhausting process

- 2 – 5% FastDry CEL
- Batch pH: 5 – 5.5 (with acetic acid)
- Treat at 60 – 98°C (140 – 208°F) by 20 min. (suitable for use in dyebath, bleaching with optical brightener or finishing), drop the bath and hydro-extract.
- Dry at 110 – 130°C (140 – 208°F) by 2 min.

Padding process

- 20 – 60 g/l Fastdry CEL
- Batch pH: 5 – 5.5 (with acetic acid)
- Padding with a liquor pick-up of 50 – 90%
- Batch temperature aprox. 20 – 25°C (140 – 208°F)
- Dry at 110 – 130°C (140 – 208°F) by 2 min.

For data of security, ecological and toxicological, see the Safety Data Sheet (SDS).

Note: Given the variety of substrates and applications processes, the information provided with fidelity should be understood as a guidance tool; therefore, we cannot be responsible for any damages resulting from an inappropriate use. The data contained in this technical informative are based on current knowledge and applications of our products performed. Additional information can be obtained from our technical department. Review: 04/25/2016.