

# KAPPAFLAM CFP

Flame retardant for textiles and nonwovens made of cellulose as well as for their blends with other fibres

Chemical composition	combination of nitrogen-containing inorganic salts
Appearance	white, crystalline powder
pH-value 20 °C	4.9 (1 %)
Density 20 °C (g/ml)	approx. 950
Active content (%)	approx. 100

## Function

KAPPAFLAM CFP is a non-permanent flame retardant for textiles and nonwovens made of cellulose as well as for their blends.

Cellulose textiles, e. g. cotton fabric, finished with KAPPAFLAM CFP, fulfil the requirements of the "Fire Shaft Test" according to DIN 4102 (B1). With the carried out external and internal production control, the product meets the test certificate no. P-3574/850/12-MPA BS of the building supervisory board. For this reason, KAPPAFLAM CFP is marked with the conformity symbol.

## Application

KAPPAFLAM CFP gives no wash resistant effects. However, the effects are resistant to dry cleaning if no water or cleaning concentrates are used. KAPPAFLAM CFP is applied as an aqueous solution by dipping and squeezing, hydroextracting or spraying onto the preferably absorbent fabric.

When working "dry in wet" and with a liquor pickup of 80 %, the application level depending on the material to be finished and the test standard to be fulfilled is as follows:

- 150 – 250 g/l KAPPAFLAM CFP

The fabric should be dry and sufficiently absorptive. If the fabric is hardly wettable, it is recommended to add a wetting agent to the bath, e. g. 2 – 20 g/l KAPPAWET T4/587. To improve the wettability, raise the temperature of the liquor bath up to 40 °C. The drying temperature should not exceed 130°C.

## Dilution instruction

KAPPAFLAM CFP is stirred in the preferably warm water (30 – 35 °C). Solutions of a maximum of 40 % can be easily prepared.

## Storage

KAPPAFLAM CFP remains stable for several years, if stored properly and cool in a tightly closed original container.

## Contact

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## Standards (further on request)

- GOTS
- ZDHC
- Building Supervisory Certificate