
APYROL CCS CONC

Characterization	Flame-proofing agent for natural and regenerated cellulose fibres, wool and their blends
Chemical Structure	Phosphorus and sulphur compounds
Supplied Form	Clear, colourless liquid
pH Value	6.0 – 7.0
Specific Weight at 20 °C	~ 1.0
Stabilities	APYROL CCS CONC is very sensitive to frost; after the impact of temperatures around the freezing point irreversible changes will occur.
Storage	On proper storage in closed original containers, the product is stable for at least 12 months.

Properties

APYROL CCS CONC gives good flame retarding properties to yarns, knitting and woven fabrics. The required layer depends of the weight of material and the type of fibre. It is indispensable to carry out preliminary trials to assess the minimum layer.

Depending on the application amount, the finish with APYROL CCS CONC gives some additional weight to the goods and a fuller handle is obtained.

For textiles of cellulose fibres APYROL CCS CONC has flame resistance according to DIN 4102 B1.

The flame resistance obtained with APYROL CCS CONC is not stable to washing and cleaning.

Stabilities

APYROL CCS CONC can be combined with anionic and non-ionic wetting agents. When combining the product with softeners and handle-giving finishing agents its compatibility and the influence on the flame-proofing effect should be examined in preliminary trials.

Application technique

Diluting instructions

APYROL CCS CONC can be diluted with water in all proportions.

Application proposals

APYROL CCS CONC is applied on the padding mangle. Since the product has no affinity for the fibre, it is less suited to be applied by the exhaust method (the same application amounts as on the padding mangle are necessary).

Application amounts

Depending on the material and the desired effect, we recommend the following amounts:

Cellulose: 100 – 500 g/l APYROL CCS CONC

Wool: 100 – 400 g/l APYROL CCS CONC

To ensure a complete penetration of poorly absorbent materials it is necessary to add a wetting agent (e.g: CHT-RAPID WETTING AGENT RZO liq.).

After padding the drying temperature should not exceed 120 °C as otherwise decomposition of the product occurs and the flame-proofing effect gets lost.

Articles finished with APYROL CCS CONC have a high level of electrolytes and will foster corrosive processes in the case of contact with metals which are not stable to corrosion. A warm and humid atmosphere will furthermore speed up this corrosive process. We recommend to use only non-corrosive metals when working with APYROL CCS CONC and to keep this property of the finished articles in mind when deciding upon their use.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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