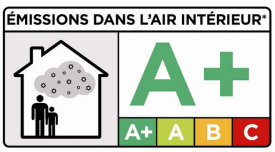
Technical Data Sheet

Protecflam Industries
17/06/2026





Hydroflam® AP15

Fire retardant product for wool and synthetic fibers.

Description

Hydroflam® AP15 retards inflammation, limits post-combustion and delays the loss of mechanical properties of synthetic fabrics such as acrylic, polyester, viscose, acetate, polyethylene etc.

Use

Hydroflam® AP15 is in liquid form (without VOC or formaldehyde), odorless and colorless. It is ready for use. It can be tinted (powder dye or liquid acrylic) for aesthetic purpose or traceability. This product has foaming agents.

After the fireproof material has dried, it can be tinted but only with non-degrading products (as to fire reaction).

Hydroflam® AP15 prevents flames and fire spreading and reduces the smoke production.

Must be used in a cool dry place, indoor.

Benefits

Hydroflam® AP15 is non-toxic, odorless and safe when used in compliance with basic safety rules.

Hydroflam® AP15 is easy to use by pulverisation.

Fire reaction

- **Polyester: M1 acording to NF P92-512**. FCBA statement available in French only.
- **Polypropylene: M1 according to NF P92-512**. FCBA statement available in French only.
- **Polyamid: M1 according to NF P92-512**. FCBA statement available in French only.
- **Wool: M1 according to NF P92-512**. FCBA statement available in French only.

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Storage

Storage must be carried out in the original unopened container.
Store at temperatures between +5 ° C and +30 ° C up to 24 months from the date of production.
Store in a cool and dry place.

Stock containers: 1 kg - 5 kg - 10 kg - 30 kg
Please contact us for larger container supplies.

Hydroflam® AP15 must not be exposed to temperatures below 0°C!

Technical data

Density : ca. 1,0 g/cm³ at 20°C

Solid body content (weight) : N/A

pH : ca. 3,2

Information

Hydroflam® AP15 is a flame retardant water-based product that improves the fire reaction of the substrates to which it is applied by retarding inflammation and inhibiting the propagation of flames and combustion. The classification may then reach up to M1 grade, depending on the texture of the material and how the product is applied (contact us for further information).

How to use the product

The substrate must be dry, free of dust, oil, wax, grease, dirt, resin, etc.

There are 2 ways to apply Hydroflam® AP15, but always on a clean, dry and porous fabric:

- Spraying up to saturation point of fibers with a flat jet nozzle (on both sides).

- Soaking (total immersion in the flame retardant liquid).

Let dry between 12 and 72 hours depending on the temperature and hygrometry. Heat dryer and/or fan may be used. A slight shrinkage of the fiber may occur. Drying temperature or any treatment after Hydroflam® AP15 application must not exceed +180°C; risk of degrading the fire retardant performance.

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Limits

Fabrics temperature

Between +5°C and +30°C

Recommended yield

The quantity of Hydroflam® AP15 varies depending on the nature, the composition, the mass of the support and the fire classification needed.
A minimum of 40% of the substrate weight must be used

- Eg: for 200 g of dry fabric, 80 g of Hydroflam® AP15 is required. The total weight of damp fabric shall then be 280 g.

Cleaning

With hot water, immediately after the completion of the work.

Remarks

Fabrics to be treated must be tested before application.
A transfer of color or appearance may occur depending on the dyes and finishes used. A change of touch can occur on some fabrics. Make sure that the flame retardant fabric has not received any prior treatment (anti-stain or water repellent for example). Hydroflam® AP15 compatibility must first be tested on a small surface. Hydroflam® AP15 has no permanency to washing or weathering.

Measured values

All technical values indicated in this technical data sheet are based on laboratory tests. Circumstances beyond our control can lead to deviations from actual values.

Safety notes

For further details, please refer to the current Safety Data Sheet from Protecflam Industries.

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