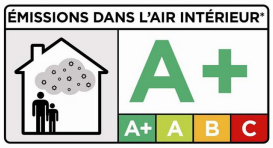
Technical Data Sheet

Protecflam Industries
17/08/2026





Hydroflam® PF13

Fire retardant product for vegetal fiber papers.

Description

Hydroflam® PF13 retards inflammation, limits post-combustion and delays the loss of mechanical properties of decorative papers such as kraft, crepe, embossed paper, fluted paper etc.

USE

Hydroflam® PF13 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.

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

Hydroflam® PF13 prevents flames and fire spreading and reduces the smoke production.

Must be used in a dry, cool place, indoor.

Benefits

Hydroflam® PF13 is non-toxic, odorless and safe when used in compliance with basic safety rules.

Hydroflam® PF13 has a powerful performance and is easy to use.

Fire reaction

Awaiting final validations by FCBA on wall-papers.

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.

protecflam

Protecflam Industries
31, rue de l'Etoile du Matin
FR- 44600 Saint-Nazaire
www.protecflam.fr
contact@protecflam.com
+33(0)2 40 90 10 80

Technical Data Sheet

Technical data

Density : ca. 1,1 g/cm³ at 20°C

Solid body content (weight) : N/A

pH : ca. 4,4

Information

Hydroflam® PF13 is a flame retardant aqueous 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).

Modus operandi

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

Hydroflam® PF13 can be applied following one of these 2 ways, methods on dry and porous papers:

- By spraying up to the saturation point of fibers with flat jet nozzle (recommended for fragile papers).

- 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.

LIMITS

Paper temperature

Between +5°C and +30°C

protecflam

Protecflam Industries
31, rue de l'Etoile du Matin
FR- 44600 Saint-Nazaire
www.protecflam.fr
contact@protecflam.com
+33(0)2 40 90 10 80

Recommended yield

The quantity of Hydroflam® PF13 varies depending on the nature, the composition, the mass of the support and the fire classification needed.
A minimum of 25% of the substrate weight must be used

- Eg: for 200 g of paper, 50 g of Hydroflam® PF13 is required. The total weight of damp paper shall then be 250 g.

Cleaning

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

Remarks

Papers to be treated must be tested before.
A transfer of color or appearance may occur depending on the dyes and finishes used. A change of touch can occur on some papers. Make sure that the flame retardant paper has not received any prior treatment (anti-stain or water repellent for example). Hydroflam® PF13 compatibility must first be tested on a small surface. Hydroflam® PF13 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 remarks

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

protecflam

Protecflam Industries
31, rue de l'Etoile du Matin
FR- 44600 Saint-Nazaire
www.protecflam.fr
contact@protecflam.com
+33(0)2 40 90 10 80