Techical Data Sheet

Protecflam Industries
Edition 9/11/2026

Coverflam® Premium

Coverflam® Premium is a bespoke, non-combustible (M0) and patented (patent no. 2310290) protective cover designed to protect works of art and historic buildings from fire (Cultural Heritage Protection Plan – PSBC).

Description

The smallest, lightest and most accessible works of art will often be moved. However, for works that cannot be moved, bespoke Coverflam® protective covers are fitted. A sound approach to risk management involves identifying priority works and ensuring their safety, in particular through protection against fire, water, soot, heat and smoke. These protective covers can also be used during construction work. The levels of protection offered by our non-combustible (M0) Coverflam® protective covers are assessed and developed by our R&D team using test benches at laboratories accredited for fire reaction and resistance testing. They are patented and the material from which they are made (Veriflam®) meets the Oddy* test standard.
Coverflam® Premium covers feature an aluminised needle-punched glass fibre fabric to enhance their thermal insulation performance.

** The Oddy Test is a procedure developed at the British Museum in 1973 by conservation scientist William Andrew Oddy, designed to assess the safety and suitability of materials used in contact with, or in the vicinity of, artworks and cultural heritage objects. It is commonly applied to evaluate the compatibility and safety of materials intended for museum environments, exhibition design, conservation, storage, and construction applications involving cultural artifacts.*

Deployment and Use

When stored in close proximity to the assets to be safeguarded, Coverflam® protective covers are designed for rapid deployment, thanks to their ergonomic handling straps and identification pouches.

Telescopic poles are available as optional accessories on protecflam.fr to enable the installation of Coverflam® covers on less accessible artworks.

Avoid folding, creasing, and abrasive contact.

Fire Reaction Classification

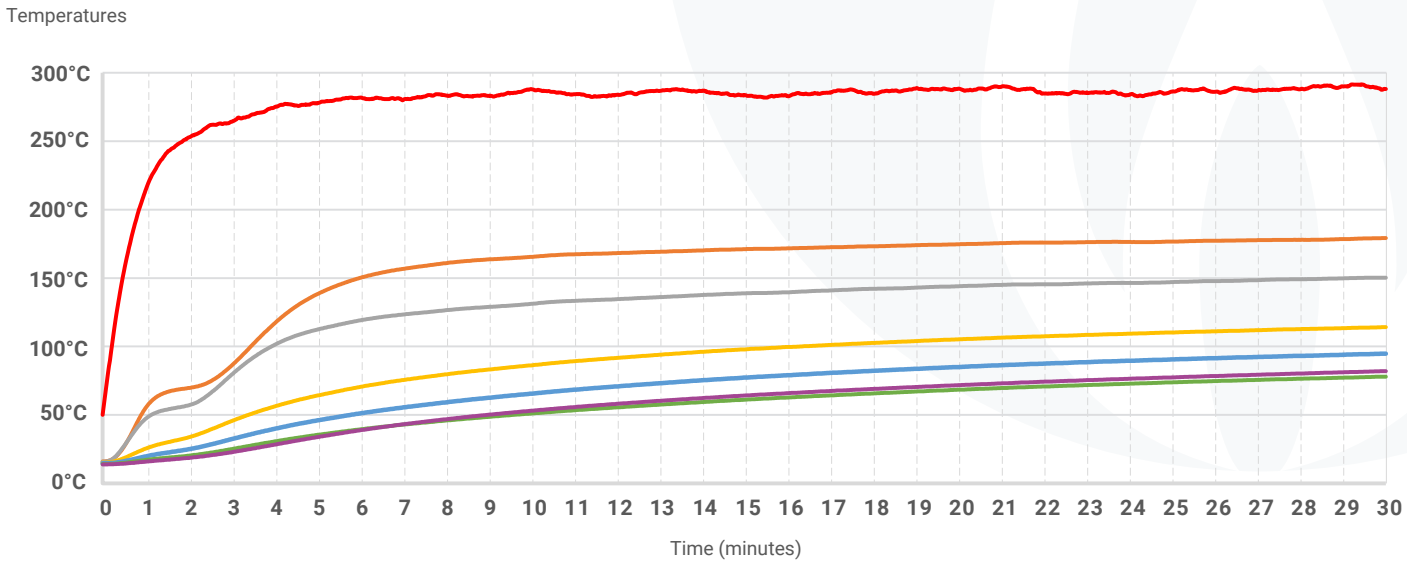
Materials are classified as M0 (non-combustible).

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Temperature-Time Curves

When a work protected by a Coverflam® Premium protective cover is exposed to a temperature of 480°C for 30 minutes, the temperature in its immediate vicinity peaks at 135°C. This temperature is below the point at which many materials begin to degrade thermally, such as: cellulose: 170–180°C; wood: 190°C; cotton: 170°C; wool: 240°C; leather: 200°C.



Distance/depth (in mm) between the Coverflam® and the heat source:

0 mm — 5 mm — 15 mm — 25 mm — 50 mm — 50 mm* — Temperature to which Coverflam® is subjected

** test sensor centred and glued to the boot floor*

CSTB le futur en construction

N°Référence des essais : NF ISO 5660-1

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Exposition du système

System exposure using a cone calorimeter under a steady incident radiant heat flux of 10 kW/m² for 30 minutes.

> Depending on the thickness and corresponding insulation performance of the Coverflam® covers, different test conditions were applied in terms of heat flux intensity: 10 kW/m² and 25 kW/m² for 30 minutes.



Water Tightness

The covers are coated to prevent water ingress, thereby providing protection against moisture and water-related damage. As Coverflam® covers are made-to-measure, they significantly reduce the risk of infiltration and leakage.

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Storage

The Veriflam® material range used in the manufacture of the covers can be easily rolled and stored in the supplied transport bags, minimizing bulk and storage volume requirements.

Technical Characteristics

- Thickness: 6,8 mm
- Surface mass: 1 778 g/m^2

Measured Values

All technical values stated in this product technical datasheet are based on laboratory test results. Conditions beyond our control may lead to variations between measured and actual performance values.

Local Restrictions

The information provided in this product technical datasheet applies exclusively to the corresponding product supplied by Protecflam Industries.

Safety Notes

For further details, please contact Protecflam Industries.

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