Techical Data Sheet

Protecflam Industries
Edition 02/03/2026

Coverflam®

Coverflam® is a made-to-measure, non-combustible (M0 classification), patented fire protection cover (patent no. 2310290), engineered for the protection of artworks and historic buildings against fire hazards, as part of Cultural Heritage Emergency Safeguard Plans (PSBC).

Description

Smaller, lighter, and easily accessible artworks are generally relocated as a priority. Conversely, for non-movable or non-relocatable artworks, made-to-measure Coverflam® fire protection covers are deployed. An effective risk management strategy is based on the identification of priority assets and their safeguarding, notably through protective systems against fire, water, soot, heat, and smoke. These protective solutions can also be used during construction, renovation, or restoration phases.
The protection performance levels of our Coverflam® non-combustible (M0-rated) fire protection covers are assessed and developed by our internal R&D department using certified test benches in accredited laboratories for reaction-to-fire and fire-resistance testing. They are patented, and the constituent material (Veriflam®) complies with the Oddy Test* requirements.

** 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

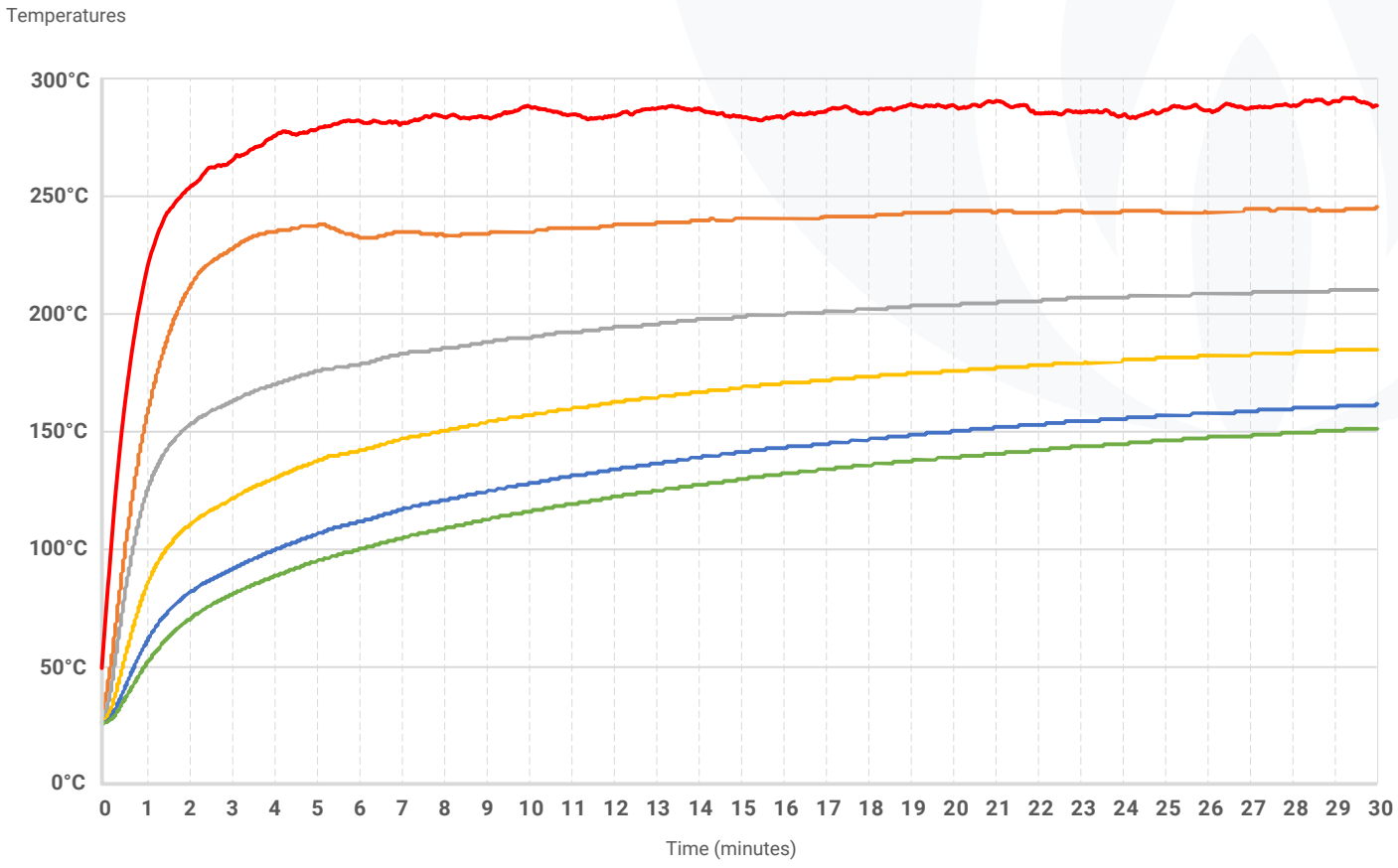
Materials are classified as M0 (non-combustible).

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

Techical Data Sheet

Temperature-Time Curves

When an artwork protected by a Coverflam® fire protection cover is exposed to a temperature of 284°C for 30 minutes, the temperature in its immediate vicinity is limited to a maximum of 155°C. This temperature level remains below the onset of thermal degradation for many materials, including: Cellulose: 170–180°C / Wood: 190°C / Cotton: 170°C / Wool: 240°C / Leather: 200°C. Enhanced protection performance can be achieved with the Coverflam® Premium version (refer to the Coverflam® Premium technical datasheet).



CSTB le futur en construction Test Reference No.: NF ISO 5660-1

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

System Exposure

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.

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

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: 390 µm
- Surface mass: 450 g/m²

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.

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