

DECICOAT™ P60

water-based, spray-on coating for structural fire protection

Decicoat P60 is a water-based spray-on intumescent coating specially formulated to provide structural fire protection. The product is designed to expand under extreme heat providing excellent thermal resistances to the substrate its applied onto in industries such as rail, offshore, marine, and automotive.

Decicoat P60 is an independent thermal solution for exposed metal or to complement other fireproofing materials. When applied, it can increase the overall structural integrity performance as Decicoat P60 offers passive fire protection.

The product will expand in response to fire and limit thermal transfer by effectively isolating the surface temperature of the component. It allows the substrate to maintain structural strength when exposed to fire, providing more time to escape during an evacuation, and provide protection to the substrate until the fire is extinguished.

Decicoat P60 bonds flush with substrates even around uneven surfaces. Unlike traditional insulation materials such as glass wool or mineral fibre, Decicoat P60 spray-on solution provides a quick and easy seamless application. It is fibre-free offering 100% coverage and reduces heat transfer through materials.

SPECIFICATIONS

Colour	White
Available	20 kg pail



applications

- Rail: locomotive and passenger rolling stock (interiors, floors, cabin)
- Industrial: underside of metal deck roofing and metal wall cladding
- Offshore platforms: interior structures of habitable areas
- Automotive: heavy vehicles, buses, trailers, and tractors
- In conjunction with traditional fibrous insulation

features

- Water-based compound minimises VOC and provide low odour
- Lightweight and non-sag formulation with excellent adhesion to various metal substrates
- Single component product
- Easy, fast and seamless spray-on application
- Excellent structural fire protection - more time to escape during an evacuation
- No volatile solvents or thinners required for cleaning
- No ozone-depleting substances generated during manufacture
- Manufactured under ISO 9001 Quality Systems



PRODUCT SPECIFICATIONS

Colour	UOM (kg)	Density (dry)	Service temperature range (max short term)
White	20 kg (44.1 lb)	1000 kg/m ³ (62.4 lb/ft ³)	-40 °C to 120 °C (-40 °F to 248 °F)

MATERIAL PROPERTIES

Test method	Property	Report	Results
EN 1363-1	Fire resistance	1288/18	1.5 mm coating provides >120 min integrity on 4 mm aluminium
EN 45545-2 (ISO 5658-2)	Spread of flame	2293.1IS0040/18	R1 (HL1, HL2, HL3)
EN 45545-2 (ISO 5660-1: 50 kWm ⁻²)	Heat release rate by cone calorimeter		
EN45545-2 (ISO 5659-2: 50 kWm ⁻²)	Smoke generation (optical density)		
ISO 6721-5	Loss factor	26318AR	0.69 (1 Hz / 24 °C)

For further information and contact details, please visit our website pyroteknc.com

Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See pyroteknc.com/disclaimer.

