

Fireguard® IMO Clear Coat

Clear water transparent, halogen free fire protection coat



Product Overview



Ship building Industry FTP Code - 2010 Part 5 & 2 Conformity



Maritim: FTP Code 2010 - Part 5 & 2 - Surface Flammability, Smoke & Toxicity



THE PROFESSIONAL PRODUCT PALLET, WHICH MEETS THE REQUIREMENTS OF THE SHIPBUILDING INDUSTRY

With over 20 years of experience, we develop and produce Swiss quality products and innovative system solutions in the passive fire protection. In doing so, we not only meet the highest requirements of our customers, but also those of the European Aviation, Aerospace and Maritime FTP Code 2010 Part 5 & 2 requirements.

We guarantee a sustainable and environmentally friendly production and live a responsible corporate policy.

Innovative coating systems from MICROSHIELD® create new, unexpected possibilities in passive fire protection. Whether on concrete, steel or wood, whether pigmented or highly transparent, with MICROSHIELD® products and solutions the fire protection coating is simplified or even made possible.

Offer your customers innovative solutions and almost unlimited design possibilities with MICROSHIELD® substrates, adhesives and coating systems.

You already have a customer request or a design you would like to use? Talk to us, we have or develop the right, certified solution for your application.

Fire tests, calorific value determinations, chemical-mechanical tests, analyzes and individual developments are our specialty.

With our know-how, our laboratory and our application technology, we are always at your disposal as a partner and service provider.

Benefit from our know-how.



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FIREGUARD® FIRE PROTECTION COATS

Product Name	Product Number (P/N)	Container-size	Description
Fireguard® Primer FR150	630-150-1	25 kg	Primer for FTP Code 2010 Part 5 & 2 compliant surfaces. Clear water transparent solution of fire-retardant substances that penetrate deep into the material.
Fireguard® Sealer FR160	630-160-1	25 kg	2K-Sealer after application of the primer.
Fireguard® Basecoat FR100	630-100-1	25 kg	Clear water transparent 2K - fire-retardant coating based on an intumescent system for FTP Code 2010 Part 5 & 2 compliant surfaces. Mix 1:1 with the Fireguard® Hardener FR100 and dilute with Fireguard® Dilution V100 if necessary.
Fireguard® Cast Resin FR110	630-110-1	20 kg	Clear water transparent 2K - fire-retardant casting resin based on an intumescent system for FTP Code 2010 Part 5 & 2 compliant surfaces. Mix 1:1 with the Fireguard® Hardener FR100 and slightly diluted with Fireguard® Dilution V100 if necessary.
Fireguard® Hardener FR100 Standard	630-200-1	25 kg	Hardener for use with Fireguard® Sealer FR160 and Fireguard® Basecoat FR100.
Fireguard® Dilution V-100	630-003-1	20 Liter	Diluter for use with Fireguard® Basecoat FR100.



Illustration 1; Mahogany veneer coated in matt with the above system (primer, sealer, basecoat and protective varnish)



Illustration 2; Intumescent protective layer after exposure to fire.

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Even as a high gloss surface, the intumescent clear coat can even meet the highest requirements.



After the climate change test in the range of -40°C to $+80^{\circ}\text{C}$ and at up to 90° rel. humidity, there is no negative impact visible. The individual cycles have a duration of 2 hours and after more than 100 cycles, the surface shows no graying, cracks, discoloration or other unwanted effects.