

Product Series Overview

Maritime & Aviation Industry



Maritim: FTP Code 2010 - Part 5 & 2 / Aviation: CS/FAR 25.853 Appendix F



A PROFESSIONAL TOOLBOX THAT MEET THE REQUIREMENTS OF THE SHIP-BUILDING AND AVIATION INDUSTRY

With over 20 years of experience, we develop and produce Swiss quality products and innovative system solutions in the field of passive fire protection.

In doing so, we not only meet the highest demands of our customers, but also those of the European Aviation and Maritime FTP Code - 2010 Part 5 & 2 regulations. We guarantee sustainable and environmentally friendly productions and live a responsible corporate policy.

Innovative coating products and systems from MICROSHIELD® create new, unexpected possibilities in passive fire protection.

Whether on concrete, steel or wood, whether in a pigmented or highly transparent version, with MICROSHIELD® products and solutions, fire protection coating is simplified or even made possible today.

Provide your customers with innovative solutions and almost unlimited design options with substrates, adhesives and coating systems from MICROSHIELD®.

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

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

With our expertise, our laboratory and the application engineering we are at your disposal as a partner and service provider.

Benefit from our know-how.



FIREQUARD® EPOXY RESINS

Product Name	Product Number (P/N)	Gel Time with Hardener FR914	Description
Firequard® Epoxy Resin FR821	631-201-1	20 - 30 min	Non-Maritim Resin, Very low viscosity product, providing best results with very detailed re-reflection of the mold structures
Firequard® Epoxy Resin FR920	631-010-1	20 - 30 min	Resin for FTP Code 2010 Part 5 & 2 conform surfaces. Used properly, this resin passes FTP Part 5 with excellent results. Very high viscosity product used in thick (decorative) surface applications, also works very well as glue
Firequard® Epoxy Resin FR930	631-005-1	20 - 30 min	Resin for FTP Code 2010 Part 5 & 2 conform surfaces. Used properly, this resin passes FTP Part 5 with excellent results. High viscosity product used in thick (decorative) surface applications, also works very well as glue
Firequard® Epoxy Resin FR931	631-005-2	20 - 30 min	Resin for FTP Code 2010 Part 5 & 2 conform surfaces. Used properly, this resin passes FTP Part 5 with good results. Low viscosity product, providing good results with detailed re-reflection of the mold structures
Firequard® Epoxy Resin FR932	631-005-3	20 - 30 min	Resin for FTP Code 2010 Part 5 & 2 conform surfaces. Used properly, this resin passes FTP Part 5 with good results. Very low viscosity product, providing best results with very detailed re-reflection of the mold structures

FIREQUARD® EPOXY CURING AGENTS (HARDENERS)

Product Name	Product Number (P/N)	Gel Time with Resins FR9xx	Description
Firequard® Epoxy Hardener FR914	631-002-1	20 - 30 min	Standard curing agent for all Epoxy Resins mentioned above
Firequard® Epoxy Hardener FR918	631-006-1	15 min	Mostly used for gluing veneer together with the Epoxy Resin FR 920 & FR930 for faster curing
Firequard® Epoxy Hardener FR922	631-004-1	6 min	Very fast curing agent for all Epoxy Resins mentioned above

FIREQUARD® EPOXY ADDITIVES

Product Name	Product Number (P/N)	Standard Concentr. (%w/w)	Description
Firequard® EP Foaming Additive	631-900-1	0.1 - 0.2	Generates a high bulk foam layer in conjunction with the resins listed above. Depending on the combination of resin and hardener, up to 2% of the additive can be added
Firequard® EP Flexibilizer Additive	631-910-1	5 - 10	Reduces surface hardness and consequently increases flexibility and polish ability
Firequard® EP Degasser Additive	631-9xx-1	0.1 - 1.0	Ventilation additive for all Firequard epoxy systems. Also suitable for improving surface polishability. Depending on the requirements, the epoxy resins can absorb or form foam. Up to 0.5% degasser additives can be added to the resin.

MISCELLANEOUS PRODUCTS

Product Name	Product Number (P/N)	Final Dilution	Description
MICROSHIELD® Silicon Mold Cleaner	631-990-1	1 : 20 up to 1 : 50	A very effective silicon mold cleaner. Does not contain any solvent. The cleaner is pH neutral and easily biodegradable. The product is supplied as a concentrate.
MICROSHIELD® EP Mold Releasing Agent	631-920-1	Ready to use	Releasing agent for all epoxy systems. Also suitable for improving surface quality. The releasing agent assists the demolding process and protects the silicon mold.

