

CHARCOAT

TDS

CharCoat/Rainbow FM-906



PRODUCT DESCRIPTION

The CharCoat/Rainbow FM-906 (Firecut FM-906) Structural Steel Fire Protection is the pinnacle of technology and performance in Thin Film Intumescent Fireproofing.

FM-906 can be applied to steelwork and ventilation ductwork in interior or covered exterior applications. FM-906 fireproofing coating is spray applied and offers up to 120 minutes fire protection under BS476: Part 21 and BS476: Part 24. There is no reinforcement or mesh required.

FM-906 can be applied in residential, commercial and industrial applications where architectural designs call for a thin-film, aesthetic, highly decorative finish.

Semi exterior or covered areas can also be completed using a urethane, epoxy or water based topcoat to seal the fireproofing system. With FM-906's low spread rate, higher than average solids and extremely low DFT's, we can provide the most cost effective solution for all of your steel fireproofing needs.

FEATURES AND BENEFITS

- Fire rates steelwork up to 120 minutes - Interior
- Low VOC
- 600-700% typical intumescent expansion after
- DFT's as low as 150 microns
- Fire rates steelwork up to 120 minutes - Interior
- Water based intumescent coatings - Interior
- Non-Toxic / Non-Hazardous (water based)
- Most steelwork 1 or 2 coat application
- Permanent cost effective solution
- Zero maintenance required
- Single component (stir and spray)
- Brush application also available

APPLICATION AREAS

- Airports
- Stadiums and Leisure Facilities
- Office Buildings
- Retail Complexes
- Cinemas
- Residential Low and Highrise Apartments
- Atriums
- Warehousing
- Powerstations
- Mines
- Smelters
- Shipyards
- Swimming Pools (C4 topcoat)

TECHNICAL DATA

Composition	Low VOC, Waterbased, NON-DG
Certification	BS476, Part 21 BS476, Part 24 UL Certification
Building Classification	C1 and C2 Environments
Specific Gravity	1.30 ± 0.01kg/l
Volume Solids	69% ± 3%
VOC	1 g/L
Theoretical Coverage	2250 g/m ² based on an applied @ 1.0mm DFT
Colour	White
Primer	Epoxy Zinc Phosphate Primer or similar
Topcoat	Water-based topcoats
Drying Time	Set to touch minimum 1 hour (25°C)
Coating Intervals	Spray min. 4 hours Brush min. 1 hour

PLEASE CONTACT US FOR OTHER PROPERTIES

PACKAGING

- 25 kg net weight
- Steel pails
- Other sizes on request

TRANSPORT / STORAGE

Transport and storage free from frost- preferably at a minimum of +5°C to a maximum of +35°C.

SHELF LIFE

When stored at the recommended conditions, unopened pails have a shelf life of 12 months from date of manufacture.

APPLICATION GUIDELINES

For Interior applications, use FM-906 (up to 120 minutes). Topcoats are not required for interior works, but may be needed simply for colour. For covered external works, topcoats are required. Water based topcoats, urethane or epoxy topcoats are acceptable. FM-906 will last the life time of the steelwork if properly maintained.

GUARANTEE / WARRANTY

Please refer to our full Terms and Conditions of sale.

No liability can be accepted for the information provided in this document although it is published in good faith and believed to be correct. CharCoat Passive Fire Protection reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

PRODUCT FIRE RATING (MINUTES)

FM-906 up to 120 minutes

APPROVALS DESCRIPTION

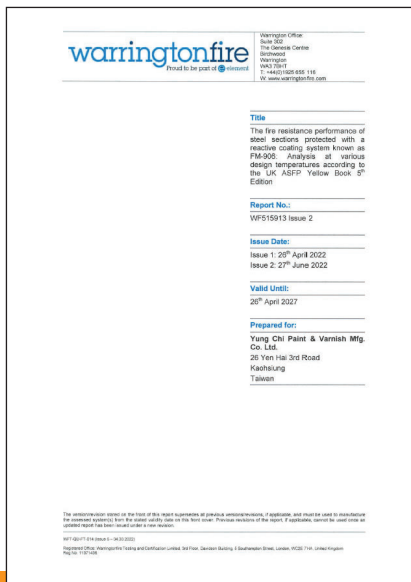
BS476, Part 21 120 minutes - Structural Steelwork
 BS476, Part 24 120 minutes - Uninsulated ductwork systems inc. ventilation & smoke outlet ducts
 UL Classification 120 minutes - Structural Steelwork



CharCoat Proudly Supporting:



YUNG CHI PAINT & VARNISH MFG. CO.,LTD



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Disclaimer: The above data, particularly the recommendations for the application and use of Charcoat Passive Fire Protection products are based on the manufacturer's knowledge and experience. Due to different materials and conditions of application, which are beyond our control, we recommend in any case to carry out sufficient tests in order to ensure that Charcoat Passive Fire Protection products are suitable for the intended purpose and applications. Therefore, any liability for such recommendations or any oral advice is expressly excluded unless we have acted wilfully or by gross negligence. It is always the responsibility of the installer / purchaser to guarantee correct preparation, DFT (Charcoat Coatings) and thickness (Charcoat Firestop Products) of all Charcoat Passive Fire Protection products. Charcoat Passive Fire Protection is not liable for installation or faulty installation. It is always the responsibility of the installer / purchaser to guarantee and certify the installation of materials.

