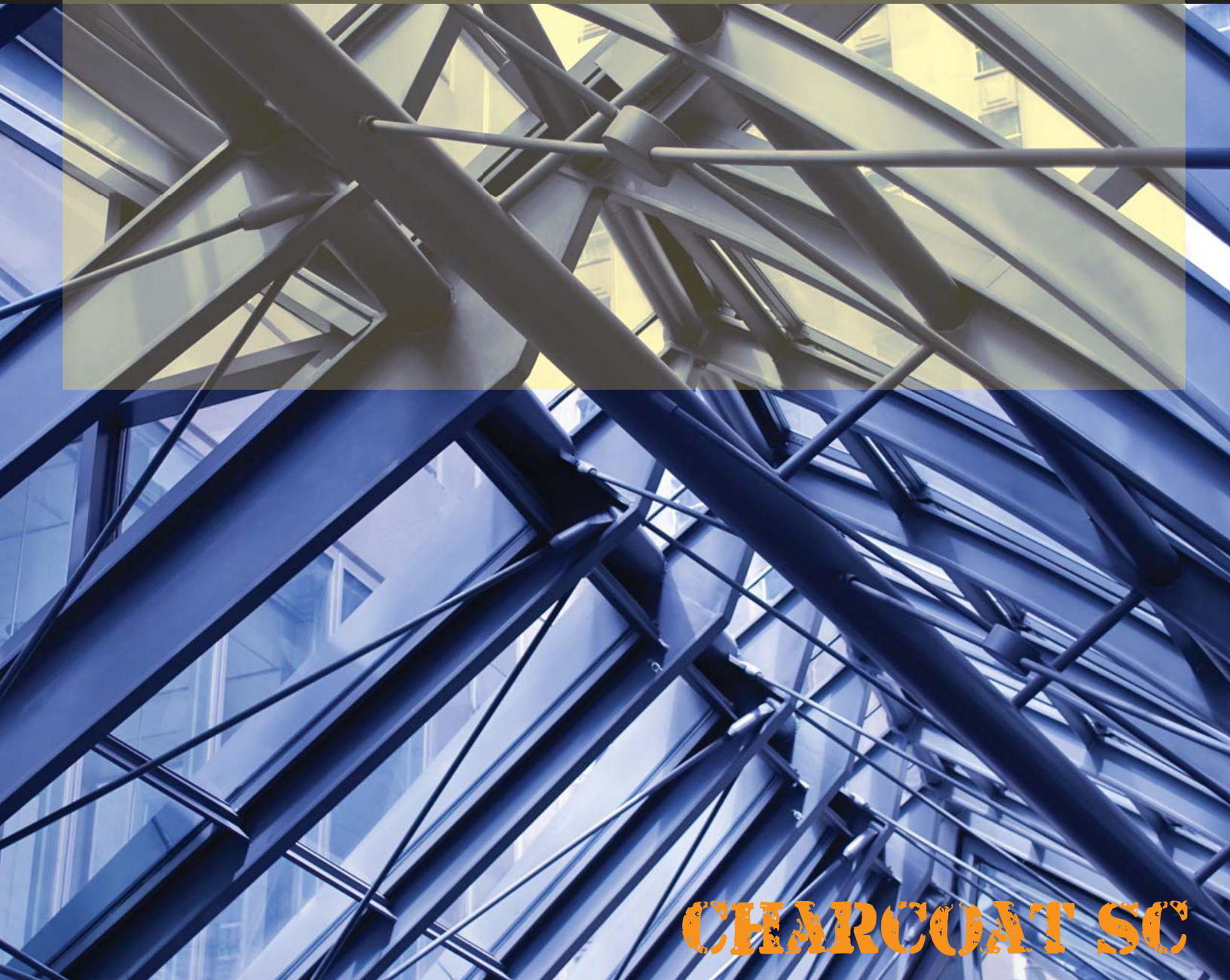


CHARCOAT fire Passive Protection

THIN FILM INTUMESCENT STEEL COATING

120 minute Structural Steel Fire Protection
Water Based for interior applications



CHARCOAT SC



General INFORMATION

The CharCoat SC Range of Structural Steel Fire Protection is the pinnacle of technology and performance in Thin Film Intumescent Fireproofing.

The CharCoat SC Range can be applied to steelwork in interior or covered exterior applications. Our range of fireproofing products are spray applied and offer up to 120 minutes fire protection under BS476: Part 21. There is no reinforcement or mesh required.

CharCoat SC 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 or epoxy topcoat to seal the fireproofing system.



With CharCoat SC'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.

Special FEATURES

- 600-700% typical intumescent expansion after
- DFT's as low as 250 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)
- Maximum 1.1mm WFT in a single spray coat
- Brush application also available
- C4 environment approved (c4 Topcoat required)



Technical DATA

For Interior applications, use CharCoat SC60 (60 to 90 minutes), or SC120 (up to 120 minutes). Topcoats are not required for interior works, but may be need simply for colour. For covered external works Topcoats are required. urethane or epoxy topcoats are acceptable.

CharCoat SC will last the life time of the steel-work if properly maintained.



CharCoat SC Provides intumescent fire protection to structural steelwork while maintaining architectural aesthetics for commercial infrastructure assets including:

- 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)



TRANSPORT / STORAGE

- Transport and store free from frost- preferably at a minimum of +5°C to a maximum of +35°C.
- shelf-life of unopened pails: 12 months based from date of manufacture.

PACKAGING

- 25kg Pails
- Steel pails
- Other sizes on request

SURFACE PREPARATION

Please refer to the Technical Data Sheet

APPLICATION

Please refer to the Technical Data Sheet

DRYING TIME

Please refer to the Technical Data Sheet

SAFETY AND THE ENVIRONMENT

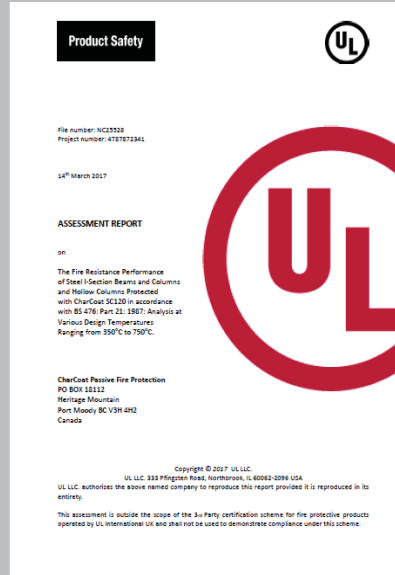
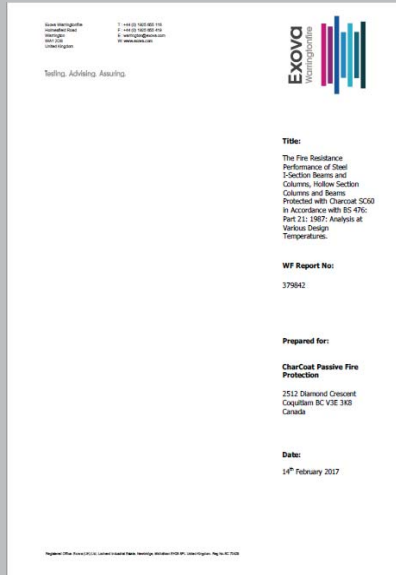
Please refer to the Technical Data Sheet

PRODUCT **FIRE RATING MINUTES**

CharCoat SC up to 120 minutes

APPROVALS **DESCRIPTION**

BS476 Part 21
 - CharCoat SC60 - 60 minutes - Interior
 - CharCoat SC120 - 120 minutes - Interior
 LEED
 - Meets requirements for LEED credit 4.1 - 6g/L (SC60 / SC120)



CHARCOAT
PASSIVE FIRE PROTECTION

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Partners:

Australia | Indonesia | Malaysia | Thailand | South Africa | Saudi Arabia | China | Mexico

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 willfully 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.