



Product Information

HEMPACORE ONE FD 43601

► Typical use

HEMPACORE ONE FD 43601 is a fast drying, thin film, solvent-borne intumescent coating for fire protection of structural steel used in industrial halls, public buildings, stadiums, exhibition halls, airports, supermarkets, etc.

- Provides efficient fire protection of beams, columns, and hollow structural steel profiles for up to 120 minutes in **cellulosic fires**.
- Suitable for use in indoor conditions (very low corrosivity) without topcoat and exposed outdoor conditions (medium/high corrosivity) when suitably topcoated.
- It is especially suitable for **in-shop** (off-site) and **on-site** applications where fast application is desired. The product is fast drying and can be applied up to 1100micron DFT in a single coat.

► Product description

HEMPACORE ONE FD 43601 is a one-component solvent-borne acrylic, physically drying intumescent coating for fire protection of structural steel. It combines high volume solids, low VOC content with very fast drying properties.

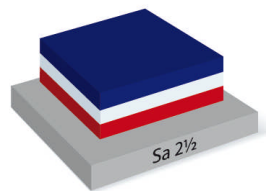
► Physical constants

Colour:	White/10000
Volume solids:	75 ± 3 %
Theoretical spreading rate:	Depending DFT – e.g. 1 m ² /litre - 750 micron
Flash point:	5 °C / 41 °F
Specific gravity:	1.3 kg/litre
Surface dry:	15 min at 20 °C (750µm)
Dry to touch:	20 min at 20 °C (750µm)
Dry to handle:	6 hours at 20 °C (750µm)
V.O.C.:	343 g/litre

► Typical Specifications

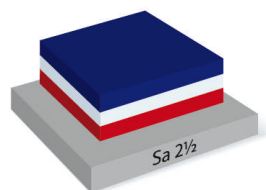
■ Medium/High corrosion category - Exterior areas

1 x 100µm HEMPADUR 15570	100	Micron
1 x HEMPACORE ONE FD 43601	* acc to specification	
1 x 100µm HEMPATANE 55610	100	Micron



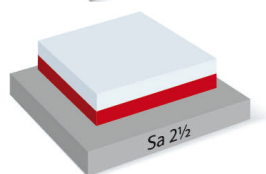
■ Low/Medium corrosion category – Interior/exterior areas

1 x 80µm HEMPADUR 15570	80	Micron
1 x HEMPACORE ONE FD 43601	* acc to specification	
1 x 50µm HEMPATEX ENAMEL 56360	50	Micron

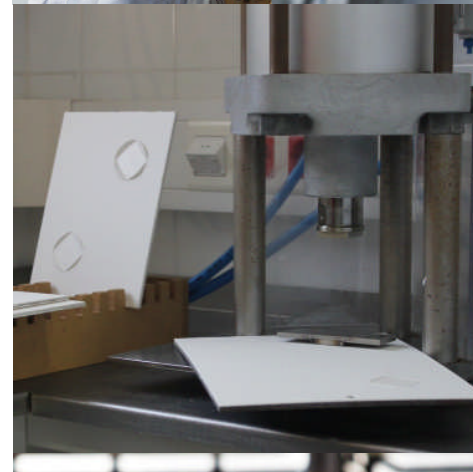


■ Very low corrosion category - Interior areas

1 x 100µm HEMPADUR 15570	100	Micron
1 x HEMPACORE ONE FD 43601	* acc to specification	



* HEMPACORE DFT specification based on fire rating and steel profile. Please contact your local Hempel office for a project specification.





Product Information

HEMPACORE ONE FD 43601

► ONE product – CORE benefits

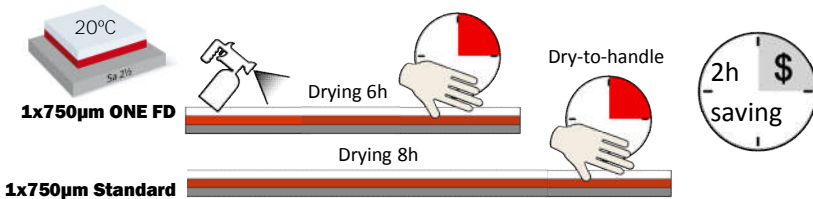
■ **HEMPACORE ONE FD** is specially designed for increased productivity. The fast drying properties enable good application under cold conditions and optimised shop applications. HEMPACORE ONE FD forms a hard film in a very short time – making it possible to handle steel sections shortly after application.

Block setting results after 6 hours drying	
HEMPACORE ONE FD (750µm)	Standard intumescent (750µm)
No significant indentation observed	Deep indentation is observed.

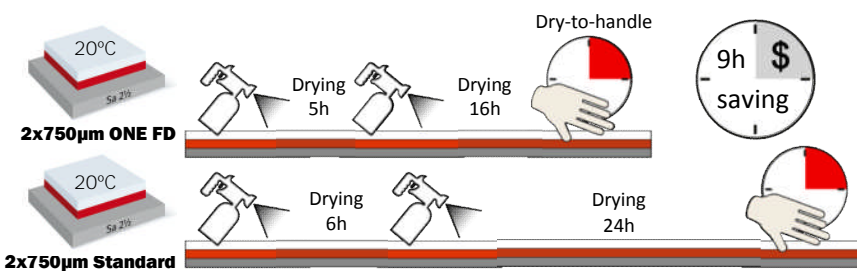
Block setting tests document that HEMPACORE ONE FD creates a hard film in a shorter time than other intumescent coatings on the market, providing the ability to move steel sections faster. In block setting tests, constant pressure of 10kg is applied on a surface of 3cm² for 1 minutes.

► Optimised daily workflow with CORE benefits

■ The fast drying time of **HEMPACORE ONE FD** enables optimised workflow and time savings compared to standard products with both one and two coat applications.



■ With **HEMPACORE ONE FD** you can easily apply two coats in one day and the coating will be dry to handle the following day.



► More information available upon request

For further information about dry film specification of intumescent, project specifications, and other custom-built specifications with our approved primers and topcoats - please contact your local HEMPEL office.

This product should not be used without reference to the relevant Product Data Sheet and Material Safety Data sheet, copies of which are available on www.hempel.com or from your local HEMPEL office upon request.

The Products are supplied and all technical assistance is given subject to HEMPEL's GENERAL TERMS AND CONDITIONS FOR INTUMESCENT PAINTS, unless otherwise expressly agreed in writing.

