



# Product Information

## HEMPACORE ONE 43600

### ► Typical use

**HEMPACORE ONE 43600** is a 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 suitable for **in-shop** (off-site) and **on-site** applications by airless spray.

### ► Product description

**HEMPACORE ONE 43600** is a one-component solvent-borne acrylic, physically drying intumescent coating for fire protection of structural steel. It combines high volume solids and low VOC content with good application properties.

### ► Physical constants

<b>Colour:</b>	White/10000
<b>Volume solids:</b>	75 ± 3 %
<b>Theoretical spreading rate:</b>	Depending DFT – e.g. 1 m <sup>2</sup> /litre - 750 micron
<b>Flash point:</b>	23°C / 75°F
<b>Specific gravity:</b>	1.3 kg/litre
<b>Surface dry:</b>	30 min at 20°C (750µm)
<b>Dry to touch:</b>	35 min at 20°C (750µm)
<b>Dry to handle:</b>	8 hours at 20°C (750µm)
<b>V.O.C.:</b>	346 g/litre

### ► ONE product – CORE benefits

FEATURES	BENEFITS
High volume solids Short drying times	Cover more surface area per litre. Decreases total application time.
Apply up to 1500micron DFT in a single coat	Easier and more flexible application. Many different steel sections can be covered in one coat.
Low VOC	Conformity with regulatory demands and lower VOC emissions to the environment.
High performance product	Low DFT loadings enables lower total project cost and faster application.
High quality raw materials	Reliable product, less sensitive to changing weather conditions during the construction phase.
Compatible with wide range of primers and topcoats	Ability to tailor-make coating systems to fit wide exposure conditions.

Please consult Product Data Sheet for further details





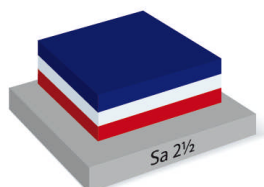
# Product Information

## HEMPACORE ONE 43600

### ► Typical Specifications

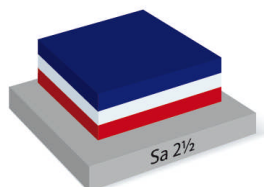
#### ■ Medium/High corrosion category - Exterior areas

1 x 100µm HEMPADUR 15570	100	Micron
1 x HEMPACORE ONE 43600	* acc to specification	
1 x 100µm HEMPATANE 55610	100	Micron



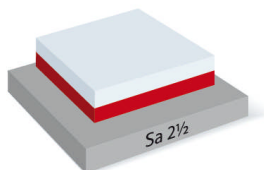
#### ■ Low/Medium corrosion category – Interior/exterior areas

1 x 80µm HEMPADUR 15570	80	Micron
1 x HEMPACORE ONE 43600	* 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 43600	* acc to specification	



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

### ► Apply the CORE benefits in ONE coat

- HEMPACORE ONE is the desired choice of fire protection by combining unique benefits into one core product.

#### Main features:

- Volume Solids content of 75%,
- Apply up to 1500 micron DFT in a single coat
- Ability to specify low DFT because of high performance materials

**Provides the ability to protect steel sections for high fire ratings in one coat.**

### ► 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](http://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.

