

Hempacore One 43600

Passive fire protection

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.

Typical applications

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.



Features	Benefits
High volume solids	Covers more surface area per litre
Short drying times	Decreases total application time
Apply up to 1500 micron 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

Physical constants

Colour:	White / 10000
Volume solids:	75 ± 3%
Theoretical spreading rate:	Depending DFT - e.g. 1 m ² /litre - 750 µm
Flash point:	23°C / 75°F
Specific gravity:	1.3 kg/litre
Surface-dry (ISO 9117-3:2010):	14 min at 20°C (750µm)
Through-dry (ISO 9117-1:2009):	21 hours at 20°C (750µm)
Dry to handle:	1 day at 20°C (750µm)
V.O.C:	346 g/litre

Apply the core benefits

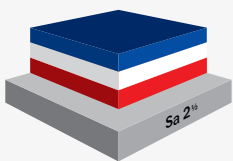
- ✓ Hempacore One 43600 is the desired choice of fire protection by combining unique benefits into one core product.

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.

Typical specification



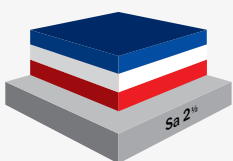
C4 Medium/High corrosion category
– Exterior areas

1x 40µm Hempadur Avantguard 750

1x Hempacore One 43600

* acc to specification

1x 100µm Hemptane HS 55610



C3 Medium corrosion category
– Interior/exterior areas

1x 60µm Hempadur 15570

1x Hempacore One 43600

* acc to specification

1x 100µm Hemptex Hi Build 46410



C1 / C2 Low corrosion category
– Interior areas

1x 50µm Hempadur 15570

1x Hempacore One 43600

* acc to specification



More information is available on 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.

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