



HEMPACORE
Passive Fire Protection

HEMPEL

Making a difference in every area

Hempel has been protecting steel, people, and business in the toughest environments at sea and on land since 1915. With our Hempacore intumescent solutions, we're using this extensive experience and expertise to offer protection against the dangers of fire in civil construction segments such as residential and commercial buildings, airports, stations and stadiums. Hempacore has been developed to make the application process as easy



and efficient as possible and is suitable for both onsite and in-shop application. We listen closely to you in order to gain an understanding of the everyday challenges you face in every area of your project. It is this understanding that enables us to carefully match our products and services to your needs and make a real contribution to your success. **At Hempel, we are always committed to providing you with 3 key benefits.**

➤ Durability

The toughness of our coatings minimises damage related to transport, handling and weather. You can count on the quality to last.

➤ Efficiency

With Hempel intumescent solutions you not only get products that increase productivity and minimise downtime, you also get the information and service that makes using them easy.

➤ Flexibility

The Hempacore range of intumescent coatings makes finding the right solution simple. Each coating covers a wide range of needs, so it takes fewer choices to meet all challenges.

Flexibility



Ready for projects of all shapes and sizes

You can always rely on our commitment and ability to meet your needs.

With the Hempacore intumescent range, you get coatings with a very wide scope of approvals. This flexibility not only saves you time, it can also reduce costs because stock levels can be minimised. Coating properties such as high maximum dry film thickness (DFT) per coat also provide flexibility by making it possible to optimise application on every project type.

Because we also supply primers and topcoats, it's easier for you to get the right solution. We'll make sure you get a combination of fully compatible coatings that we are convinced will meet your requirements. The wide application window that these coatings have provides greater working flexibility and enables you to make the most of your time.

Efficiency



EASY EVERYWHERE

With Hempacore you get coatings that can be applied efficiently both on-site and off-site.

Making work simpler and faster

Create a more efficient workflow with easily applied high-quality solutions.

At Hempel, we strive to make saving time as simple as possible. That's why our Hempacore coatings are developed for easy application across a wide temperature range. All are products are made from high-quality raw materials, and provide optimal performance with low dry film thicknesses and fast drying times. This means less downtime due to recoating intervals and that less labour

is needed to achieve the specified result. With Hempacore you get high quality results and long-term time savings that will enable even greater productivity.

Durability



You can trust us to deliver protection that lasts

With Hempel you get solutions that are less sensitive to damages in the construction phase and have a long lifetime.

You need to be able to count on the durability of your solution, and the Hempacore range gives you peace of mind. We use high-quality raw materials that make the coating less sensitive towards weather conditions during the construction phase,

and when used with a recommended topcoat, provide a tough and long-lasting finish. The strength of the coatings minimises the time spent on making small repairs due to damages incurred in-shop, onsite or during loading or transport.



EVERYBODY INVOLVED ENJOYS THE BENEFITS

At Hempel, we strive to make the specification process as simple as possible for all stakeholders involved. The strength of our supply chain, the quality of our solutions, the ease of coating application, and our wide scope of coating approvals all contribute to make us a favourable choice.

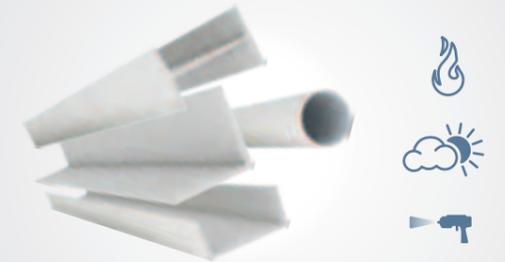
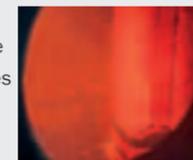
Those who specify Hempacore get a solution that they can trust. They know that the durability of the coating system can be relied upon and that the required performance levels will always be delivered. They also know that they don't have to worry about finding precisely the right coating solution. We strive to make it a straightforward process for them.

The size of our company also makes a difference to them. As a global company, we have the strength, expertise and resources necessary for projects of every scale. We not only provide long-term fire-protection, we provide long-term peace of mind.

You can count on us ...

... for toughness that's tested to the **core**

All Hempacore coatings are tested extensively at our dedicated fire protection R&D facilities. The fire protection performance is tested for up to 2 hours under turbulent conditions where the fire temperature is over 1000°C. We also go to great lengths to make sure that onsite conditions and the effects of weather will never compromise the level of fire protection the coating provides. Real-life scenarios are simulated by testing weathered coating systems and profile sections that have loads applied. For weather testing we for example test the products in cycles with extreme temperature shocks across the range -20° to 70°, and where the relative humidity reaches up to 95% (+/-5%). Application properties are also tested in a broad range of climatic conditions.



Tested for fire, weather and application

... to be consistent to the **core**



Our strict quality control system ensures that Hempacore coatings all over the globe conform to the same high standards. All our factories are ISO certified, and we make sure that all raw materials used are of the same high quality. We follow strict internal and industry

guidelines for quality control at all Hempacore production sites to make sure that the fire performance meet the requirements. This commitment to consistency ensures that you always know precisely what you are getting.



We're there when you need us

... for one **core** system

A broad range of our primers and topcoats are approved for use with our Hempacore intumescent coatings, and this enables us to tailor make a coating solution to fit any challenge. Having one supplier makes it easier for you to get the ideal combination of the three, and you are always sure each coating is fully compatible. With Hempel you always get high corrosion resistance and passive fire protection with the desired decorative effect.



Your full system supplier



Hempacore coatings provide protection in durations of up to 120 minutes. All are quality products made from high-quality raw materials, and provide high performance

with low dry film thicknesses and fast drying times. With excellent application properties, Hempacore coatings are an ideal choice for onsite and in-shop projects.

To find out more about Hempacore just go to www.hempel.com

COATINGS WITH OUTSTANDING **CORE** PROPERTIES

Take a look inside the range ►



Corporate Headquarters and Main Office

Hempel A/S
Lundtoftevej 150
2800 Kgs. Lyngby
Denmark

Phone: +45 4593 3800
Fax: +45 4588 5518
E-mail: fireprotection@hempel.com

www.hempel.com