

## Press release

18 December 2023

### Hempel launches leading intumescent coating estimation software

**Hempel has announced the launch of HEET Dynamic, an innovative new coating software specially designed to make intumescent coating estimations on steel sections quicker, easier and accurate for structural engineers and estimators.**

#### Key messages

- **Speed:** Performs calculations up to 10 times faster than traditional methods.
- **Accuracy:** Achieves 100% estimation accuracy for reliable and dependable results.
- **User-friendly:** An intuitive interface that is easy to install and simple to use.

Hempel Engineering and Estimation Technology 'HEET' Dynamic empowers users to make efficient and effective fire protection decisions quickly and easily, offering **up to 10 times faster calculations**, without consulting third party engineering services or PFP (passive fire protection) coating providers.

Built with the user in mind, Hempel's HEET Dynamic software automatically performs **volume calculations with 100% estimation accuracy** to detail the intumescent coating required for a project. In accordance with location and design codes, calculations are based on steel profiles, fire ratings and fire testing standards.

**J&D Pierce (Contracts) Ltd, said:** *"It is a very good piece of software for our engineers and designers. It allows us a lot of flexibility when designing structures without the need to keep contacting Hempel.*

**Easy to download and simple to use,** HEET Dynamic is up to date with latest industry standards, providing an innovative software that makes light work of complex situations. Using in-built calculators for automated thickness and volume calculations, HEET Dynamic features a simple copy and paste functionality to give the user full control.

#### Key features of HEET Dynamic

HEET Dynamic includes section factor calculations, default limiting temperatures, cellular beam calculations, a customisable user interface and project dashboard with libraries feature. These combined features deliver efficient calculation accuracy, without the need for overly complex technologies.

For advanced users, the HEET Dynamic licence can be upgraded using a feature called Structural Fire Design. The SFD upgrade allows suitably qualified engineers to flexibly calculate project specific design temperatures, leading to overall cost savings and increased productivity. In addition, the optimised PFP volume and thickness calculations require less materials and utilise best engineering practices.

Another addition available with HEET Dynamic is its BIM plug-in tool. This intelligent, modifiable tool allows users to work seamlessly alongside BIM software, creating automated calculations for 3D models and construction details. This intelligent tool also facilitates information flow both ways for real-time design and estimation.

**A representative from Billington Structures Ltd, stated:** *“The new HEET Dynamic software is simple and intuitive to use and the SFD and BIM integration is very beneficial for our technical staff when designing various elements of our projects.”*

### **HEET Dynamic at a glance**

- Developed to accurately estimate intumescent volume calculations on steel sections
- Designed with estimators and structural engineers in mind
- 100% estimation accuracy
- Up to 10 times faster calculations
- Minimises the risk of coating failure with maximum accuracy
- BIM plug-in tool for 3D models and construction details
- Structural Fire Design upgrade available for advanced users
- Easy to download, simple to use

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### **About Hempel**

As a world-leading supplier of trusted coating solutions, Hempel is a global company with strong values, working with customers in the decorative, marine, infrastructure and energy industries. Hempel factories, R&D centres and stock points are established in every region.

Across the globe, Hempel’s paints and coatings can be found in almost every country of the world. They protect and beautify buildings, infrastructure and other assets, and play an essential role in our customers’ businesses. They help minimise maintenance costs, improve aesthetics and increase energy efficiency.

At Hempel, our purpose is to shape a brighter future with sustainable coating solutions. We firmly believe that we will succeed as a business only if we place sustainability at our heart. Not only is it the right thing to do, it will strengthen our competitive position, make ourselves more resilient and reduce our risk.

Hempel was founded in Copenhagen, Denmark in 1915. It is proudly owned by the Hempel Foundation, which ensures a solid economic base for the Hempel Group and supports cultural, social, humanitarian and scientific purposes around the world. [www.hempel.com](http://www.hempel.com)