



Fast-drying coatings increase productivity for Promont

Promont coats 32,000m² of steel on tight schedule, with high throughput and low costs.

What are the benefits of fast application on a production line? For Promont, the largest steel producer in Slovakia, the answer is simple: Greater productivity and lower costs. That's why Promont have used our fast-drying, Avantguard-based coating systems for the last ten years.

The Stora Enso Oulu Mill in northern Finland is the latest example. Promont was contracted to produce the steel structure for a new power boiler at the mill on a tight schedule. Using a fast-drying three-coat system based on Hempadur Avantguard® 750, Promont was able to coat two-and-a-half layers of the three-coat system in one standard working day. This approach enabled it to produce the steel structure on a short deadline, while also increasing workflow speed and lowering production costs.

“Our team could go even faster with the Avantguard system if needed, applying full three-coat system in a single day by utilizing morning, afternoon and night shift.”

Pavol Masnica, Owner, Promont

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When speed is what you need

Stora Enso is a leading provider of renewable packaging products and biomaterials. As part of its investment to increase capacity at its Oulu Mill in northern Finland, Stora Enso needed a new power boiler installed. The main contractor, Andritz Oy, asked Promont to produce and assemble the supporting steel structure.

The challenge: Fast production with onsite touch-up in low temperatures.

With the project running on a tight deadline, Promont needed a fast-drying coating system that could be applied quickly. The system had to provide C3 protection on the inside and C4 protection on the outside. In addition, due to the plant location, any onsite touch-up would have to be carried out in freezing winter conditions.

The solution: Fast-drying solution with low application costs.

Combining our Hempadur Avantguard 750 activated zinc primer with a fast-drying midcoat and topcoat, Promont had all the speed it needed. With an overcoating interval down to 45 minutes at 20°C, our Hempadur Avantguard 750 coating can significantly increase production line speeds. At the same time, the fast-drying system reduces heating hall requirements, resulting in lower operating costs. To ensure easy onsite touch-up in cold winter conditions, we specified Hempadur Mastic 4558W, which can be applied in temperatures as low as -10°C.



| At a glance | | |
|-----------------|---|---|
| Project: | Structural steel frame of power boiler building | |
| Location: | Oulu paper/pulp mill, northern Finland | |
| Applicator: | Promont, the largest steel producer in Slovakia | |
| Project size: | 32,000m ² | |
| Coating system: | Interior: | Hempadur Avantguard 750 Hempadur Fast Dry 17410 Hempadur Fast Dry 45410 |
| | Exterior: | Hempadur Avantguard 750 Hempadur Fast Dry 17410 Hempadur Fast Dry 55750/4558W |

How fast could you go?

Our three-coat systems for C3 or C4 environments have a total drying time of just 6 hours at 20°C.