

PRODUCT RELEASE



PR-HW02



**The HW paint system
is now one of the most
powerful intumescent
coatings for wood
now available**

Envirograf HW intumescent paint achieves Scandinavian test requirements

The Envirograf HW02E intumescent paint system was recently used in one of the most rigorous fire tests used for testing coating systems. Known as the K₂10 test, the HW system was applied onto tongue and grooved pine boards typically used in the Scandinavian house sector. The test is designed to measure the actual impact of the coating used on the substrate. According to regulations a K₂10 rating is required, ensuring that wooden linings of this type resist the fire for a full 10 minutes ensuring that the overall wall system does not ignite for that set time. The regulation is designed to ensure that in the first 10 minutes of a fire occupants of the building have sufficient time for an effective escape to safety.

The covering consisted of the HW system which was applied onto tongue and grooved pine profiles, a typical surface cladding (or wooden lining) used in the Scandinavian housing sector.

The test is designed to evaluate the coverings ability to protect the construction behind the covering. According to regulations a K₂10 rating is required, ensuring that wooden linings of this type resist the fire for a full 10 minutes ensuring that more flammable material behind the covering does not ignite for that set time, in this way reducing the intensity of the fire for the first critical 10 minutes.

The HW system successfully passed the EN 14135 test at the Danish Institute of Fire and Security Technology (DBI) in Copenhagen, and is now being specified throughout the Scandinavian housing sector market.