Aithon A90H

fire protection
of non-loadbearing walls

EN 1364-1 / EN 13501-2:
- EI 120
- R120 on concrete beams and columns (ENV 13381-3)

- EASY TO APPLY
- WATERBORNE, LOW VOC COATING
- CLASSIFIED IN Y CLASS: NO NEED OF TOP-COATING EVEN IN HIGH HUMIDITY AND LOW TEMPERATURE INTERIOR ENVIRONMENT

After more than 120 minutes of fire, at the end of the test the furnace was opened, and the highly insulating char created by AITHON A90H was still glowing. But the char showed an impressive integrity.

hard, thin film intumescent coating for durable fire protection and decoration
Fire protection and decoration

AITHON A90H has a smooth, matt white finish and does not need a top coating even in high humidity, low temperature environment (classified Y according ETAG 18-2)

But if a decoration is required, AITHON A90H has a suitable top-coating which provide a satin or matt finish in the full RAL colour range

30 years guarantee

Defining the lifetime of a fire protection system is often a difficult problem to solve. The over 30 years of our experience in research and development of intumescent coatings, together with the high quality of the raw materials that we use, allow us to offer a 30 years guarantee for all our intumescent coatings and varnishes. For further details about our guarantee program please contact our technical service.
| **Technical data** |  
| Solids by volume | 66%  
| solids by weight | 72%  
| density | 1,33 Kgr/lt  
| colour | white  
| viscosity | thyxotropic product  
| VOC | < 45 gr/lt  
| VOC (on request) | < 5 gr/lt  

| **Application** |  
| thinner | water  
| wet film thickness | 2 Kgr/sqmt for 1500 micron  
| dry film thickness | 2 Kgr/sqmt for 1000 micron  
| first coat | < 250 gr/sqmt (recommended)  
| further coats | up to 1 Kgr/sqmt per coat  
| Drying time (20°C, 65% R.H.) |  
| dust dry: 30 mins. |  
| touch dry: 2 hours |  
| 3 – 4 hours between coats |  
| Top coating (if required) | after 24 hours  
| Shipment weight | 20 Kgr net plastic pails  

**ENVIRONMENTAL FRIENDLY**

Waterborne, halogen-free, low VOC content, Aithon A90H protects masonry as well as the environment.

Thank to its very low emission to the environment, A90H is approved for fire protection in clean rooms (Outgassing tests at 40°C: 2,6 µg/g). This is a guarantee for any sensitive buildings like schools and hospitals.