

Fire testing facade I

Facade insulation made of foam materials has many problems!

Fire hazard and toxic smoke is the biggest.

The fires in London "Greenfell Tower" with 80 dead or the fire in Dubai "The Torch" are only 2 examples.

Smaller accidents are not mostly published.

The facades contain chemicals against fungi and algae. These are washed out by rain and get into the groundwater. That's an extreme environmental hazard.

There are many millions of m² of buildings worldwide.

With the coating omega fire and SuperTherm we can achieve the following goals.

Protection of human life

The facade does not burn, there is no toxic smoke

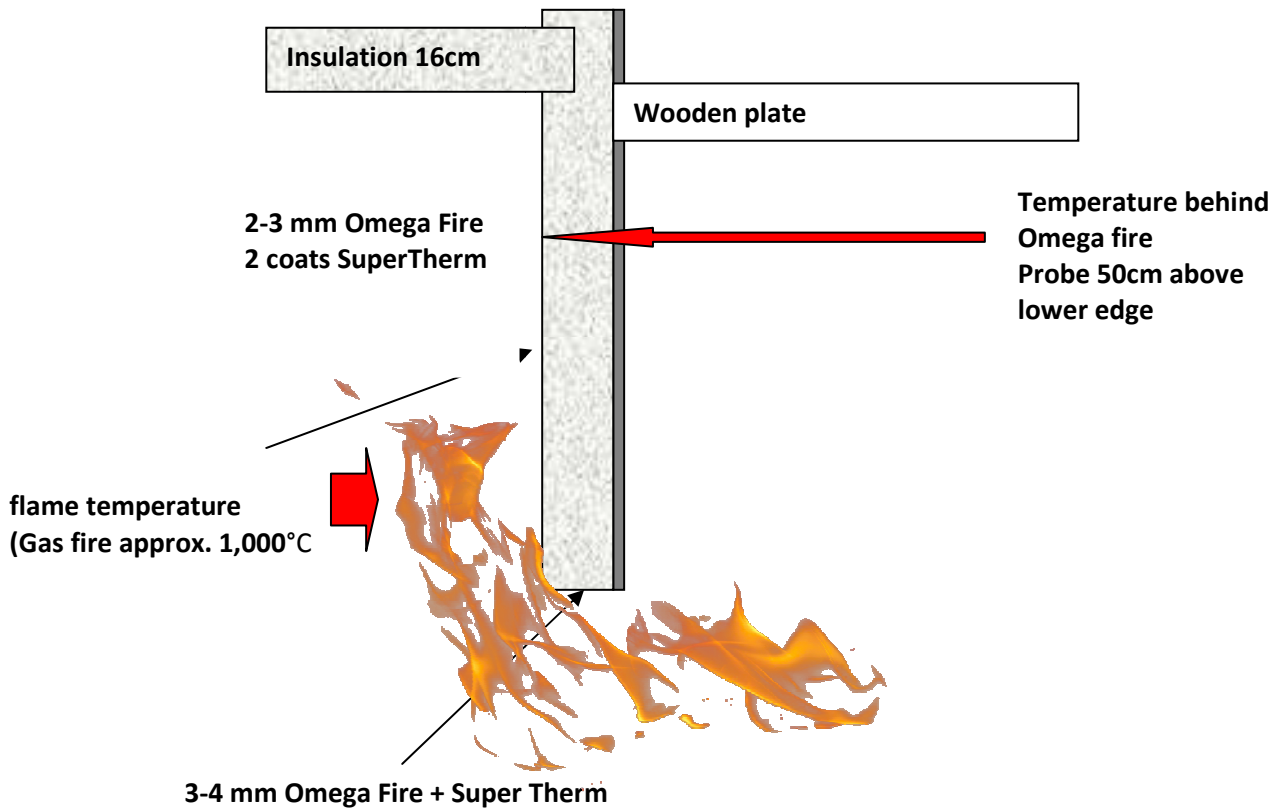
Protection of Investment

The insulation does not have to be removed completely. It is enough to renew a small sector around the source of the fire. That's a lot of money.

No chemicals need to be added to the facade.

SuperTherm is resistant to Mold and algae.

Fire testing Omega Fire/Super Therm



after 5 minutes



after 30 minutes



after 30 minutes



Omega Fire makes a solid and stable housing. The insulating material has melted to about 40 cm above the flame, but no leakage of the melt.

Burn time 30 minutes Results

Insulation does not burn, melts under Omega Fire up to about 40 cm height

Temperature behind Omega Fire
After 10 minutes approx. 96 ° C
After 20 minutes approx. 103 ° C
After 30 minutes approx. 132 ° C