



# **RENITHERM<sup>®</sup> PMW-EXT**

## **Pigmented fire protection coating system for wood For outdoor use**

### **General**

Renitherm<sup>®</sup> PMW-EXT is an intumescent coating on synthetic resin dispersion base which forms a carbon char under the effect of heat, thus insulating the substrate.

Renitherm<sup>®</sup> PMW-EXT fire protection coating for wood insulates against heat, check fire, prevents propagation of fire and diminishes flue-gas density and flue-gas temperature, protects real values for and reduces the risk of damage.

Renitherm<sup>®</sup> PMW-EXT fire protection coating for wood is classified C-s2, d0 according to EN 13501-1 (SBI-Test) if applied on all sides of the wooden material.



### **Uses:**

- solid wood, thickness  $\geq 12$  mm
- particle boards, thickness  $\geq 12$  mm
- plywood for construction, thickness  $\geq 12$  mm
- for outdoor use

### **Application**

- recommended conditions for application and during drying time: temperature  $> 5$  °C, relative humidity  $< 80$  %, dew point must not be exceeded
- moisture content of wood or wooden materials  $< 15$  %
- check surface for appropriate adhesion: it should be free from dust, dirt, grease, wax, mould, oil, glues and whitewash
- laying out of a trial area is recommended
- if necessary, sanding and priming with Renitherm<sup>®</sup> PMW Primer (100 g/m<sup>2</sup>)
- no thinning of Renitherm<sup>®</sup> PMW-EXT before application
- stir material thoroughly free of lumps before application
- application by: brush, roller or spray
- airless spraying: nozzle size 0,013" – 0,019"
- coverage rate:  $2 \times 275$  g / m<sup>2</sup> =  $2 \times 200$  µm wet
- application in one layer (spray, brush, roller)
- cleaning of equipment by water
- finishing in RAL or NCS shades:  $2 \times 120$  g/m<sup>2</sup> Renitherm<sup>®</sup> PMW-TC top coat

### **Drying time**

Drying time as follows refers to a temperature of 20 °C and a relative humidity of about 65 %:

- Renitherm<sup>®</sup> PMW-EXT: per coat 6-12 hours, fully dry after 24 hours
- Renitherm<sup>®</sup> PMW TC: dust-dry after 4 hours, dried through after 12 hours

Pretreatment with wood preservative	<p>If resistant to wet rot, fungi or insect attack, we recommend using commercial preservative agents based on oil-alkyd resins provided they are compatible with the Renitherm® PMW-EXT fire protection system.</p> <p>Apply Renitherm® PMW-EXT fire protection coating system only after the preservative treatment is completely dry.</p>
Shelf life	In original sealed containers 24 months
Precautions for Safety at Work	Use Renitherm® PMW-EXT in accordance with all applicable local and national regulations.
Environment, Health and Safety Data	As regulations are often revised please request for the actual safety data sheet before using this product.
Storage and Transport	<ul style="list-style-type: none"><li>• stored and transported in dry protected conditions</li><li>• shelf-life of unopened pails: 24 months</li><li>• opened pails must be sealed carefully</li></ul>
Cleaning of equipment	Use <b>warm</b> water

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be constructed as guaranteeing specified properties of products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.



**RENITHERM®**



**AUDAX-Keck GmbH, Weiherstr. 10, 75365 Calw / Germany**



+49 7051 1625-0



+49 7051 1625-50



fire@audax.de

[www.audax.de](http://www.audax.de)

[www.renitherm.com](http://www.renitherm.com)

