



RENITHERM[®] PMW (P)

**Pigmented fire protection coating system for wood.
For interior and protected outdoor use**



Renitherm[®] PMW (P) is an intumescent coating on synthetic resin dispersion base which forms a carbon char under the effect of heat, thus insulating the substrate.

Renitherm[®] PMW (P) 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[®] PMW (P) fire protection coating for wood has been tested to BS 476: 7. Classifies solid wood and wooden materials as hardly combustible B1.

- Uses:
- solid wood, thickness ≥ 12 mm
 - particle boards, thickness ≥ 12 mm
 - plywood for construction, thickness ≥ 12 mm
 - for interior use or outdoor use in areas protected from weathering
 - protect from mechanical stress

- 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 < 10 %
- 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[®] PMW Primer (100 g/m²)
- no thinning of Renitherm[®] PMW (P) before application
- stir material thoroughly free of lumps before application

AUDAX fully complies with the requirements of EN ISO 9001 standard. This certification is one more proof for Renitherm[®]'s quality, reliability and safety.



- application by: brush or roller (short pile lambswool rollers are recommended)
airless spraying, 200 bar,
flow rate >4 l/min.,
nozzle size: 0.011"–0,019" airspray gun,
nozzle size: max. 2,0 – 3,0 mm
- coverage rate: 500 g/m²
(about 350 µm wet)
- application in one layer
(spray, brush, roller)
- top coating necessary for outdoor use
- finishing by top coat Renitherm® PMW TC (coverage rate 50 g/m²) in RAL or NCS colour shades

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

- Renitherm® PMW (P): per layer
12–24 hours, fully dry after 48 hours
- Renitherm® PMW TC: dust-dry after 4 hours, dried through after 12 hours

Please be aware that the coating system is sensible to pressure in the first weeks.

Pretreatment with wood preservative: – 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 (P) fire protection system.

- Apply Renitherm® PMW (P) fire protection coating system only after the preservative treatment is completely dry.

Shelf life: – In original sealed containers 24 months.

Precautions for Safety at Work: – Use Renitherm® PMW (P) 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 – stored and transported in dry protected conditions
– shelf-life of unopened pails: 24 months
– opened pails must be sealed carefully

Cleaning of equipment: – use warm water

Renitherm® PMW (P) is a technical coating and not comparable with traditional lacquers.

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.