



RENITHERM® PMW

Transparent fire protection coating system for wood



Renitherm® PMW 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 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 fire protection coating for wood has been tested to BS 476: 7.

- Uses:
- solid wood, thickness ≥ 8 mm
 - particle boards, thickness ≥ 12 mm
 - plywood for construction, thickness ≥ 12 mm
 - only for interior use
 - 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 priming with Renitherm® PMW Primer. Notice Technical Data Sheet of Renitherm® PMW Primer
- no thinning of Renitherm® PMW before application
- application by: brush or roller (short pile lambswool rollers are recommended) airless spraying, nozzle size: 0.013“–0,015“ airspray gun, nozzle size: max. 2 mm

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



- coverage rate: 450 g/m²
(about 320 µm wet) 475 g/m² on
plywood (about 340 µm wet)
- application in two layers
- Renitherm® PMW must be transparent
and clear before top coating
- finishing by top coat Renitherm® PMW
TC (coverage rate 50–100 g/m²)

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

- Renitherm® PMW: 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
fire protection system.

- Apply Renitherm® PMW fire protection
coating system only after the preser-
vative treatment is completely dry.

Surface Maintenance: – no acid or alkaline cleaner!
– no solvent!
– surface cleaning only with dry and
smooth cloth

Shelf life: – In original sealed containers 24 months.

Precautions for Safety at Work: – Use Renitherm® PMW 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 is a technical coating and not com-
parable with traditional lacquers. Depending on the
substrate, the Renitherm® PMW base coat can get
light cracks or slightly milky, but this is not affecting the
performance of the fire resistance properties.

This information is based on our present state of know-
ledge 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.