POLYLACK W

Description:

One-component intumescent, water-based paint for indoor passive fire protection of steel structures in case of cellulose fires.

Application Area:

• Increase the fireproof rate of steel structures - open and closed sections of steel beams and columns up to 90 minutes.

Approval/Compliance:

• According to EN 13381-8 standards, 15-20-30-45-60-90 minutes fire resistance ETA-15/0801.

1. table: Technical Datas

Color and appearance	white, creamy, liquid when mixed
Coating	smooth, porous
Reaction to fire	D-s1, d0
pH	7,0 – 8,0
Density	1,28 – 1,40 g/cm^3
Solids content	68 ± 2 m/m%
VOC	0,0 g/l
Application and storage temperature/Packaging	+5 - 40 ºC / metal bucket 25 kg
DFT/Consumption	see ETA-15/0801//1,95 kg/m^2/1mm
Dilution	with water
Expansion factor	1: ≤ 50
Packaging	25 kg metal bucket
Expansion factor	1: ≤ 50

APPLICATION:

Surface preparation:

The product can be applied only on surface properly treated with primer, for the sufficient adhesion of primer coat recommended Sa 2,5 grade steel surface.
In case of existing surfaces supplied with corrosion prevention please consult with Mercor Dunamenti Co.

Utilizable primers:

• 1 component short or medium oil length alkyd resin-based anticorrosion primers e.g. Polylack Primer, Eurogrund, Corroprimer
• 2 component epoxy- resin based anticorrosion primers e.g. Polylack 2K Epoxy, Remoplast Primer, Henekote Aktivgrund, Sigmafast 278, Agropox UHS Primer

Preparation of paint:

The product is dense with high structural viscosity (hard thixotropic) therefore before use to be stir up well with a mechanical mixer.

Application method:

By *brush or roller*: 150-250 µm dry coating can be achieved (DFT) per layer, which corresponds to 300 to 500 µm wet layer
airless spraying: 800-1000 µm dry coating can be achieved (DFT) per layer, which corresponds to 1500-2000 µm wet film
Machine for airless spraying: pressure 200 bar, 0.48-0.63 mm nozzle, the filter must be removed.

Dilution:

Depending on the type of application it must be applied undiluted or using max 5% water. The application of too much diluent can decrease the applicable film thickness due to its negative effect for the sagging property.

Layer thickness to be applied:

The dry film thickness of fire protective coating Polylack W the is determined by the required fire protection limit and the critical temperature, as well as section factor (U/A value) of structural components
For further information ask the Mercor Dunamenti Co. expert opinion, or use data from the ETA-15/0801.

Application conditions:

The paint can be applied between +5 and + 40 °C, at relative humidity up to 70%. The temperature of the surface to be painted exceeds the dew point by 3 degrees.
It is necessary to insure adequate ventilation in the course of drying of the coating Structures covered with fire-retardant coating Polylack W should not be exposed to weather influences (e.g. rain or other precipitation, strong condensation!) without top coat!

Top coat:

Approved finishes depending on the use category: 1 component alkyd / 2 component polyurethan.

- 1K alkyd: Polylack Topcoat, REM AK DS Glimmer, Vagona,
- 2K polyuretan: Polylack 2K PU, Chemopur RW U 2094, Sigmadur 550, Agropur Finish

In case of other topcoats, ask the expert opinion of Mercor Dunamenti Co.

Safety Regulations:

Physical, toxicological, ecological and labour protection instructions and regulations related to the safe use of the product are included in the Safety Data Sheet. Regulations contained therein must be observed.

Approvals:

ETA-15/0801 **CoP 1301-CPR-1145**