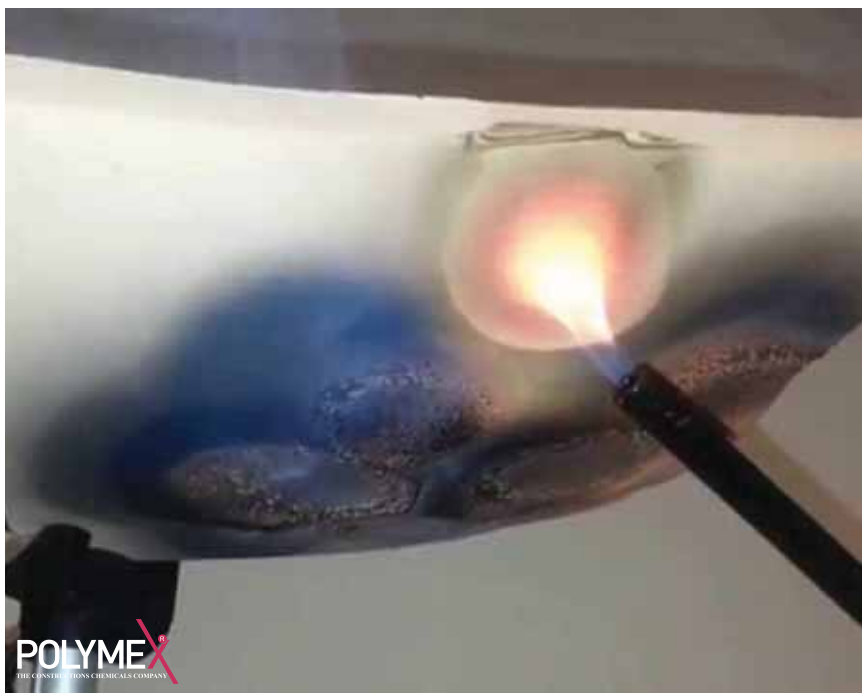


Fire – Resistant Polyurethane Coating



Product Description

It is Polyurethane resin based, two - component, solvent – free and fire resistant floor coating.

Product Features and Advantages

It is a Polyurethane based, two – component, which can be applied in thickness of 2 -3 mm, self – leveling coating material which is resistant to other chemicals. It is free from toxic substance and solvent. It is resistant to temperature of 600C and fireproof on the flooring coatings. It owns all features which can be found in a paint or coating material. It is applied in the places where there is a need for protection against fire. It is applied in metal surfaces, chimneys, ovens, exhaust pipes in arm warehouses. It is used as coating at rifle ranges and military facilities. It is also used as an electrical insulation material. Normally, it is bright, but it can be produced semi – mat or mat.

Areas of Application

It is offered in the form of two components. 10- 24 hours after the application of primer, (A) component is mixed well; then it is mixed slowly, and hardening is added and it is made homogenous for 2 -3 minutes. The air and moisture must be prevented to enter into material by turning the mixer. Then, the material is spread on the coated surface. It is applied with roller, brush, trowel and airless gun.

Technical Specifications

Mixing ratio	A/B : 4/1
Pot life	45 minutes
Traction strength 7 days	14 N/mm2
Pressure strength 7 days	48 N/ mm2
Elongation at break 7 days	65 %
Corrosion resistance (weight loss) 7 days	21 mgr
Hardness 7 days	75 Shore D
Sandblasted steel adhesion 28 days	20N/ mm2
Aluminum adhesion 28 days	12N/ mm2
Concrete adhesion 28 days	7 N/ mm2

Storage and Shelf Life

It must be protected from freezing in original packages in dry and cold conditions. In short – time storage, at most 3 pallets can be put onto one – another and it must be delivered according to the principle “first in first out”. In long term storage, pallets must not be put onto one - another. The relevant storage period is 12 months after the production date. Opened packages must be used within a week by keeping them in favorable conditions.

Chemical Resistance

Chemical substance	30 days	180 days
Ethyl alcohol (95%)	11	19.5
Ethyl alcohol (10%)	0.5	0.5
Pure water	0.5	1.1
Potassium hydroxide (10%)	0	0
Sulfuric acid (% 10)	0	1.1
Acetic acid (% 10)	0.5	2.2
Nitric acid (% 10)	0.4	1.4
White spirit (thinner synthetic)	0.3	9,1

