



PUR-FLEX 70 FLEXIBLE POLYURETHANE FLOOR ENAMEL

DESCRIPTION

Two-component hardwearing aliphatic polyurethane enamel with a high gloss finish, for indoor and outdoor use. It is used as a protective finish on concrete floors in industrial buildings, workshops, car parks and swimming pools.

UV protection on polyurethane membranes, aromatic polyureas and surfaces exposed to UV rays that may have some movement.

ADVANTAGES

- ✓ Hardwearing to vehicular traffic.
- ✓ High abrasion resistance.
- ✓ Excellent resistance to solvents and chemical products such as petrol, diesel, lubricating oils, detergents.
- ✓ Excellent colour and gloss resistance.
- ✓ Indoor and outdoor use.
- ✓ Anti-dust effect.

RECOMMENDED USES

For the painting of concrete floors in garages, warehouses, workshops, car parks, industrial buildings, etc., the result is a dust-free, roll-resistant floor with a uniform appearance and an elegant finish.

UV protection on polyurethane membranes, aromatic polyureas and surfaces exposed to UV rays that may have some movement.

Painting of swimming pools, aquariums, fish farms, etc.

PRESENTATION

Colours in grey, red, green, white, TR base and according to RAL chart.

Glossy finish.

Formats of 4+1 and 16+4 Kg.

TECHNICAL CHARACTERISTICS

Composition Fixed vehicle: Isocyanate catalysed polyurethane resins.
Mineral and organic pigments.

Solvent: Hydrocarbon mixture.

Density1 ,15± 0.02 Kg./L.

V. Solids 50± 2% V. SOLIDS

Coverage: 10 - 12 m2/Lt per coat.

Drying Touch 45minutes
 Total 6 hours
Repainting 12 hours Maximum 48 hours
 Light vehicle traffic: 2 days Normal traffic: 15days

APPLICATION

Coats: 2

Mixing: Mix the enamel with its corresponding catalyst thoroughly in a 4/1 ratio. Use an electric stirrer at low speed for two or three minutes, avoiding the introduction of air as much as possible. Then add polyurethane thinner to the mixture and mix.

Pot life: Maximum 6 hours.

Recommended thickness: 30-40 microns dry per layer

Dilution: First coat 25-30%, subsequent coats 5-10%, with polyurethane thinner.

Application ambient temperature: between 10 and 30 °C.

SURFACE PREPARATION

Surface preparation:

New surfaces:

Wait for the cement to cure completely (approximately 1 month). The renders must be dry, clean and free of dust, grease, mould, algae and other contaminants.

Mechanical treatment by SAT diamond disc machine and subsequent vacuuming.

Repair fissures, cracks and crazing using thixotropic 100% solids PR EPOX 40 epoxy resin.

Apply a coat of water-based epoxy primer, PR EPOXW 20 on weak, absorbent or very alkaline surfaces. In case of efflorescence or saltpeter treat with dilute acid solution, rinse with plenty of water and allow to dry.

It is essential to regulate the porosity of the pavement so that it is sufficient to favour the penetration and anchorage of the paint. Best results are obtained through mechanical methods as, in addition to regulating the porosity of the substrate, they eliminate any type of unwanted substance or foreign body.

If a mechanical treatment is not possible, at least a chemical treatment must be carried out: elimination of foreign or unwanted agents by using diluted hydrochloric acid and then

removing the remains of the acid with plenty of water; finally allowing the support to dry completely and proceeding with normal painting.

Painted surfaces:

If the paintwork is well adhered, sand with a rotary sander and then vacuum to remove loose particles, clean and degrease.

On satin-finished surfaces sand and vacuum.

Apply a coat of water-based epoxy primer, PR EPOXW 20, as a bonding primer beforehand.

Surfaces in poor condition:

If the paint is old or badly adhered with defects such as chalking, blistering, chipping, cracking, etc., remove remains mechanically, repair cracks or flaws and apply a coat of water-based epoxy primer, PR EPOXW 20.

Metal surfaces:

Pre-treat with zinc phosphate epoxy primer (PR EPOX 40).

Conditions of application:

Application: Brush, roller or airless.

Mixing: Dilute max. 10 %.

Solvent: Polyurethane solvent.

Cleaning utensils: Solvent.

Working temperature: Minimum: 10°C. Maximum: 60°C.

Substrate temperature: 2 to 3° C above dew point.

Relative humidity: - Less than 80%.

IMPORTANT: In high humidity conditions or below 10°C, DOES NOT HARDEN. Do not apply the paint on very hot surfaces exposed to direct sunlight.

Surfaces in general should be clean, dry and free of grease, dust and rust. Floors should be clean, dry and well set (28 days) Residual floor moisture less than 6%.

Preferably roughened to improve adhesion.

On unpainted surfaces: Apply 2 or 3 coats as usual (the first coat more diluted (3%). On surfaces with old paintwork: Remove the paint in poor condition and proceed as for unpainted surfaces.

STORAGE

Easy to mix by shaking, after storage for 12 months in closed containers. Free of skins, clots and gels. Keep away from temperatures below 0° C.

SAFETY

See labelling and Safety Data Sheet.