

# HIGH BUILD 2-PACK EPOXY

## DESCRIPTION:

**Enviropro High Build** is a 2 component 100% solids Epoxy coating system designed for use on concrete or otherwise rigid substrates.

Very high adhesion to surfaces coupled with high gloss and film build with good wear resistance, makes for aesthetically pleasing functional coated surfaces.

## FEATURES:

- High film build from 100% solids – wet film thickness equals dry film thickness
- High transparency and film clarity
- Suitable for interior and exterior use (pigmented or filled for exterior)
- Adheres well to a wide variety of surfaces
- Good chemical resistance (see table below)
- Water resistant
- Good durability and wear resistance
- Simple to mix 10:6 ratio of resin to hardener
- Can be coloured with **Enviropro Epoxy Colour Concentrate**
- Full cure approx 15 hours @ 20 deg C and 65% RH for 200 micron film thickness on glass. Cure time 48 hours at 5 deg C. Full hardness development over 7 days.
- Can be overcoated with **Enviropro 2 pack Non-toxic Polyurethane**

## RECOMMENDED USES

- Decorative flake system base coat (when pigmented) and build coat.
- Art décor floor surface
- Factory floor one coat system
- Binder for non-slip particulate surface

### DIRECTIONS FOR USE

- Ensure surface to be coated is free from dust, dirt, oils and greases, concrete curing agents, rust and any other contaminant that might adversely influence adhesion to the substrate.
- If material is to be coloured, add the **Enviropro Epoxy Colour Concentrate** to the hardener component and mechanically mix to uniform colour.
- Add the **Enviropro Hardener** to the **Enviropro Resin** in the required ratio of 10:6. The resin container is sized to accept the hardener component in the correct ratio. Machine stir mix to ensure complete mixing, taking care to ensure mixing in container corners and wall areas.
- Allow to stand for 15 minutes.
- Pour mixed 2 pack onto the floor.
- Spread with appropriate application tool.
- Allow to dry and cure in ventilated environment

### PROPERTIES AND DATA

Ingredients	-	Epoxy resin and hardener 2 pack system
Colour	-	Colourless
Odour	-	Barely detectable and non offending
Density	-	1.04 S.G.
Application	-	Roller, brush or bar applicator tool
Flammability	-	non-flammable
Stability	-	12 months in unopened containers
Solids	-	100 %
Viscosity	-	1,880 mPas
Defoaming	-	Good
Coverage	-	1 to 5 sq. m. per L depending on application tool
Safety	-	Extremely safe to use; refer Material Safety Data Sheet available upon request
Packaging	-	16 litre kit (10 L resin in 20 L size pail, 6 litre hardener in smaller 10 L size pail)
	-	8 litre kit ( 5 L resin in 10 L size pail, 3 litre hardener in smaller 5 L size pail)

### Chemical Resistance of Enviropro High Build 2 Pack Epoxy System

+ = Resistant  
- = Poor

Immersion Weeks	0.5	1	2	4	8	12
Water, Deionised	+	+	+	+	+	+
Hydrochloric Acid 20%	+	+	+	+	+	+
36%	+	+	+	+	+	-
Sulphuric Acid 50%	+	+	+	+	+	+
Ammonia 25%	+	+	+	+	+	+
Xylene	+	+	+	+	+	+
Ethanol 95%	+	-	-	-	-	-
50%	+	+	+	+	+	+
Acetic acid 10%	+	-	-	-	-	-
5%	+	+	+	+	+	+

Test conditions:

Film thickness, 300 micron. Cured for 10 days at 20 deg C. Substrate sand blasted steel panel. Immersion temperature 20 deg C.

### Hardness Development

Persoz hardness.

200 micron film on glass

Curing at	1 day	1 week	1 month
5 deg C	too soft	145	195
20 deg C	165	270	290

### Flexibility

200 micron film on degreased steel

Aged for 2 months at	Bend angle for fracture in degrees
20 deg C	100 - 180
60 deg C	150 - 180

**24 HOUR INFORMATION HOTLINE 0414 793 237**

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