

Technical data sheet: TRIOXOL WB EP

General

Description	2-component water based epoxy paint based on a polyamine adduct in combination with a liquid epoxy resin
Properties	<ul style="list-style-type: none"> • High gloss • Low odour • Excellent hot tire resistance • Self levelling for optimal roller application use • Adheres well to concrete and metal • Resistant to oils and fats <p>Limited resistance to direct sunlight – for exterior use to be coated with the 2-component PU paint TRIOXOL VV-PU</p>
Application use	<ul style="list-style-type: none"> • Area and line floor markings

Technical data

Viscosity	Light thixotropic paint
Colors	White, yellow, red + various RAL colors on request
Density	1,25+-0,1 g/cm ³ at 20 °C depending on color
Solids content	~57% (mixed product - white)
Aspect	Glossy (gloss 60° : > 80 g.u.)
VOC-content	Max. 25g/L (VOC-limit : 140g/L)
Potlife (20°C)	1h30'- 1h45' marked by a strong viscosity increase In case of airless application make sure that product is applied within the hour after mixing to maintain low viscosity good application
Drying times (250µ, 60% R.H.)	20°C Dust free : 6h Dry to touch : 9h Thumb dry : 12h Walkable : 24h Traffic : 2d
Flash point	Not applicable (mixed product)
Volume solids	~47% (mixed product - white)
Layer thickness	4m ² /L = 250µ wet = ~120µ dry 5m ² /L = 200µ wet = ~95µ dry

Application information

Application tools	By brush, roller (preferably short haired roller 8mm) or airless For airless application : ➤ Use 311 black Graco spray tip at ~100bar pressure
Surface preparation	<ul style="list-style-type: none"> The substrate has to be clean, dry (<5% humidity) and free from rising damp; additionally the cohesion must be sufficiently high (compressive strength >25N/mm² and adhesive strength >1,5N/mm²) Curing compounds on poly concrete have to be removed by sand or grit blasting On very porous concrete apply a thin diluted coat of Trioxol WB EP (dilution ~5% with water – consumption ~5m²/L) or apply the solvent based fast curing low viscous transparent epoxy primer Lipapox Prim Laitance on fresh or non-porous concrete has to be removed by sand– or gritblasting or with diluted hydrogen chloride acid (10% solution in water) – rinse abundantly several times with fresh water and allow to dry thoroughly
Mixing conditions	<ul style="list-style-type: none"> Add Trioxol WB EP hardener to Trioxol WB EP base and mix mechanically Make sure hardener is mixed up (by hand) to a white (homogeneous) mass prior to adding to the base
Consumption	4-5 m ² /L per layer – apply in 2 coats for roller application 2,5-3 m ² /L (330-400µ wet) for 1-layer airless road marking line
Temperature/ Humidity	Minimal application temperature : 10°C Humidity : max. 80% Ensure maximal ventilation to speed up the drying process
Equipment cleaning	Water
Health & Safety info	<ul style="list-style-type: none"> Although Trioxol WB EP is non-toxic, wearing protective clothing is to be recommended , inclusive hand gloves and eye protection Always work in an ventilated environment Consult Health & Safety data sheets before use

Delivery conditions

Packaging	<ul style="list-style-type: none"> 15L Trioxol WB EP base + 3L Trioxol WB EP hardener
Storage stability	Max. 24 months in an unopened packaging, protected against extreme weather conditions.