

Technical data sheet: TRIOXOL WB EP MAT

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"> • Mat • 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"> • Floor markings

Technical data

Viscosity	Light thixotropic paint
Colors	White, yellow, red + various RAL colors on request
Density	1,4+-0,1 g/cm ³ at 20 °C depending on color
Solids content	~68% (mixed product - white)
Aspect	Mat
VOC-content	<10g/L (VOC-limit : 140g/L)
Potlife (20°C)	1h30' - 1h45' marked by a strong viscosity increase
Skid resistance	SRT >= 55
Drying times (250µ, 60% R.H.)	<p>20°C</p> <p>Dust free : 6h</p> <p>Dry to touch : 9h</p> <p>Walkable : ~12h</p> <p>Traffic : 1-2d</p>
Flash point	Not applicable (mixed product)
Volume solids	~54% (mixed product - white)
Layer thickness	<p>4m²/L = 250µ wet = ~350g/m² = ~135µ dry</p> <p>5m²/L = 200µ wet = ~280g/m² = ~110µ dry</p>

Application information

Application tools	With brush or roller (preferably short haired roller 8mm)
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 porous concrete apply a thin diluted coat of Trioxol WB EP mat (dilution 5-10% 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 mat base and mix mechanically , make sure to empty the hardener as well as possible Make sure that the hardener is mixed up (by hand) to a (homogeneous) mass prior to adding to the base
Consumption	4-5 m ² /L per layer – apply in 2 layers
Temperature/ Humidity	Minimal application temperature : 10°C Humidity : max. 80%
Equipment cleaning	Water
Health & Safety info	<ul style="list-style-type: none"> Although Trioxol WB EP mat 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"> 17L Trioxol WB EP MAT base + 3L Trioxol WB EP hardener
Storage stability	Max. 24 months in an unopened packaging, protected against extreme weather conditions.