

Technical data sheet: TRIOXOL VV PU

General

Description	2-component solvent borne polyurethane-acrylic coating based on an acrylic resin crosslinked with an aliphatic isocyanate hardener
Properties	<ul style="list-style-type: none"> • UV resistant • Impact resistant • Excellent adhesion on concrete and epoxy coatings • Very good chemical resistance • Resistant to oil and grease
Use	<ul style="list-style-type: none"> • Marking lines • Finishing floor coat on standard epoxy coating Trioxol VV-EP and low temperature curing epoxy Trioxol LT-EP

Technical data

Viscosity	slight thixotropic
Colors	White,yellow + various RAL colors
Density	1,2+-0,2 g/cm ³ at 20 °C - depending on color
Solids content	~60%
Aspect	glossy
VOC-content	~450g/L (EU-limiting value 500g/L)
Potlife (20°C)	~6h
Drying times(20°C,140µ)	Dust free : 2h Thumb resistant : 4h Walkable : 24h Light traffic : 48h Through cured : 7d
Flash point	>21°C
Solids by volume	~50%
Layer thickness	6m ² /L = 165µ wet = ~80µ dry 7m ² /L = 140µ wet = ~70µ dry

Application information

Application tools	By brush, roller or airless (nozzle 015-018)
Surface preparation	<ul style="list-style-type: none"> The substrate has to be clean, dry (<5%) and free from rising ground water; additionally the cohesion of the substrate has to be sufficiently high (compressive strength >25N/mm² and adhesive strength >1,5N/mm²) Curing compounds on polyconcrete and laitance on new concrete or non-porous concrete have to be removed by sand or grit blasting For optimal performance in exterior conditions apply following system on non-coated concrete <ul style="list-style-type: none"> - Lipapox Primer - Trioxol VV-EP or Trioxol EP-LT - Trioxol VV-PU
Application conditions	<ul style="list-style-type: none"> Add Lipathane H hardener to Trioxol VV-PU base and mix well (obligatory with an electrical mixer for large packaging) After mixing add max. 5% Lipasolv PU200 if desired Do not use any more after the pot life
Consumption	6-7 m ² /L per layer
Temperature/ Humidity	Apply preferably between 10°- 30°C. Air humidity : max. 85%
Equipment cleaning	Lipasolv PU200
Health & Safety info	<ul style="list-style-type: none"> Though Trioxol VV-PU is not toxic it is advised to wear protective clothing, inclusive appropriated hand gloves and eye protection Avoid/limit breathing of solvents Always work in a well ventilated area Keep away from electrical sparks Carefully consult the safety data sheets before use

Delivery conditions

Packaging	<ul style="list-style-type: none"> 16L Trioxol VV-PU + 4L Lipathane H 3,2L Trioxol VV-PU + 0,8L Lipathane H
Storage stability	Max. 12 months in an unopened packaging, protected against extreme weather conditions.