Waterproof

weberdry PUR coat traffic

Polyurethane- based wear resistant top coat

- Simple application (roller or airless spray)
- One- component
- Resistant to constant, heavy abrasion and wear conditions
- Color stable
- UV stable
- Gives a glossy and easy-to-clean surface
- Provides high sun reflectivity, contributing to thermo-insulation
- Does not show the chalking effect of aromatic polyurethane waterproofing coatings
- Resistant to water
- Resistant to frost
- Maintains its mechanical properties over a temperature span of -40˚C to +90˚C
- Surface can be walked on (public pedestrian traffic)

Description

weberdry PUR coat traffic is a pigmented, wear resistant, semi-rigid, color- and UV-stable, weather-stable, cold applied and cold curing, one- component aliphatic polyurethane coating used as a top-coat for protection over exposed waterproofing coatings, subject to high wear conditions.

Cures by reaction with ground and air moisture over a unique moisture triggered chemical reaction.

Uses

Protection layer especially designed for waterproofing coats in following application:

- Waterproofing of Decks and Walkways
- Waterproofing of public Pedestrian Traffic Areas
- Waterproofing of Exposed Car Parking areas
- Waterproofing of surfaces exposed to heavy wear conditions

Used over **weberdry PUR seal**, on surfaces with public pedestrian traffic (e.g. Stadium tribunes) and on surfaces with light car traffic (e.g. Exposed car parking areas)

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Consumption	400-600 gr/m^2 in two layers. This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption
Colors	**weberdry PUR coat traffic** is supplied in white, light grey, and red. Other RAL colors may be supplied on demand.
Application	**Surface preparation** Careful surface preparation is essential for optimum finish and durability. The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane. Maximum moisture content should not exceed 5%. Substrate compressive strength should be at least 25 MPa, cohesive bond strength at least 1.5 MPa. New concrete structures need to dry for at least 28 days. Old coatings, dirt, organic substances and dust need to be removed by a grinding machine or shot- blasting. Oil or grease contamination must be cleaned substantially. Possible surface irregularities need to be smoothened. Any loose surface particles and grinding dust need to be thoroughly removed.
Waterproofing membrane	See of **weberdry PUR seal** Technical Data Sheet Make sure that the last layer is spilled with oven- dried silica sand (0.4 – 0.8 mm).

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Top Coat

Stir well before using.
Pour **weberdry PUR coat traffic** over the cured, aggregate saturated waterproofing membrane (**weberdry PUR seal**), and spread out by squeegee or airless spray.
After 5-6 hours (not more than 36 hours), apply the second layer by roller

ATTENTION: **weberdry PUR coat traffic** must always be used over **weberdry PUR seal,** which was previously broadcasted with oven dry silica sand or corundum (aggregate size 0.1-0.3 mm or 0.4-0.8 mm) which creates an adhesion bridge. With the silica sand in the last layer of **weberdry PUR seal**, the surface also becomes more resistant to wear conditions.

For best results, the temperature during application and cure should be between +5˚C and +35˚C. Low temperatures retard curing while high temperature speed up curing. High humidity may affect the final finish.

WARNING: **weberdry PUR coat traffic** is slippery when wet. In order to avoid slipperiness during wet days, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface.

WARNING: If on the surface where **weberdry PUR - system** is applied, there are areas with ponding water, they should be cleaned on regular basis to avoid biological and microbial attack.

Packaging

5 kg and 20 kg metal bucket

shelf life and storage

Package can be stored in dry and cool rooms for up to 9 months. Protect the material against moisture and direct sunlight. Storage temperature: +5˚C- +30˚C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

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Safety

weberdry PUR coat traffic contains isocyanates. See information supplied by the manufacturer. Please study the Safety Data sheet.

FOR PROFESSIONAL USE ONLY!

Technical Specification

PROPERTY	RESULTS	Test Method
Composition	Pigmented Aliphatic moisture triggered Polyurethane polymer. Solvent based	
Resistance to Water Pressure	No Leak	DIN EN 1928
Elongation at break	>100%	DIN EN ISO 527
Tensile strength	>5 N/mm^2	DIN EN ISO 527
Surface chalking after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m^2)	No chalking observed. Chalking grade 0	DIN EN ISO 4628-6
Adhesion to weberdry PUR seal	>2 N/mm^2	ASTM D 903
Hardness (Shore D Scale)	30	ASTM D 2240 (15")
UV accelerated ageing, in the presence of moisture	Passed - No significant changes	EOTA TR-010
Hydrolysis (5% KOH, 7days cycle)	No significant elastomeric change	In-house Lab
Service Temperature	-40˚C to +90˚C	In-house Lab
Tack Free Time	1-4 hours	Conditions: 20˚C, 50% RH
Light Pedestrian Traffic Time	12 hours	
Final Curing time	7 days	
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, sea-water, and oils.	