

COMPOSITION

One-component “ready to use” Floor sealant

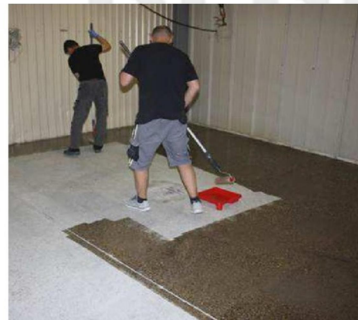
USES

Protect concrete floor

<u>Product Description:</u>	<u>PROPERTIES</u>
<ul style="list-style-type: none"> ✓ Transparent liquid ✓ Low VOC (~0,5%, 6g/l) (Directive 2010/75 EU) ✓ Flash point >100°C ✓ Low viscosity: 75 mPas ✓ Long-term stable and non-sensitive to moisture 	<ul style="list-style-type: none"> ✓ 1K Formulation ✓ Deep penetration ✓ Excellent oil and stain resistant ✓ Scratch resistant ✓ Color enhancing ✓ Publishable ✓ Easy to apply ✓ Appropriate chemical resistance ✓ Layer thickness 100 µm – 2 layers of 50 µm

Application Method

Removal of old EP coating by sanding/grinding	1 st Application: Floor PTect 50 g/m ²	Spotty surface after 1 st appl.
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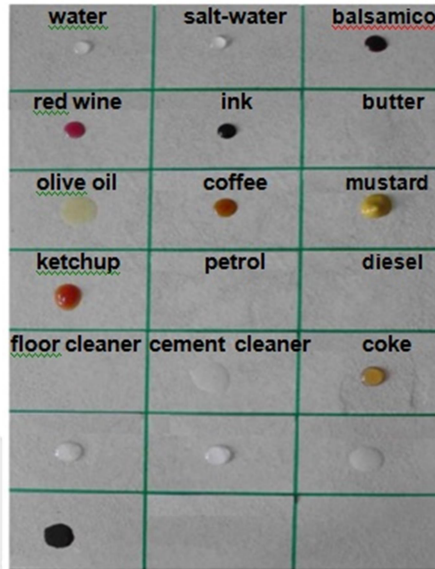
2 nd Application: undiluted , 24 h after 1. appl., ca. 50 g/m ²



PREPARATION OF ANTI-STAINING TEST

Test Procedure:

1. Impregnation of 3 concrete slabs: - Silicate - Solvent-based Silane – Floor PTect formulation
2. Conditioning/storage for 1 week
3. Treatment with test ingredients/ chemicals for 24 hours

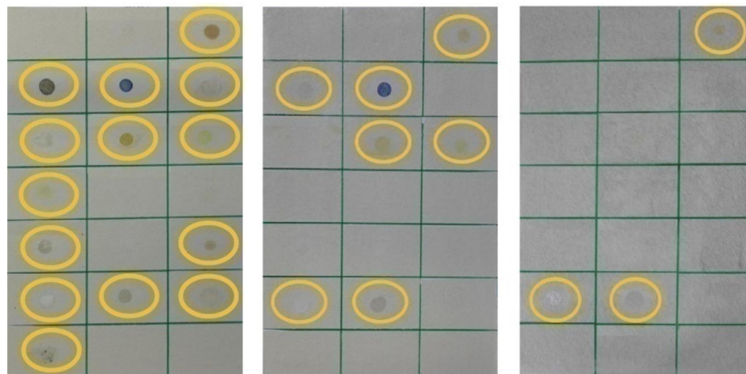


TEST RESULTS - Floor PTect SHOWS BEST ANTI-STAINING PROPERTIES

Silicat Solvent-based

Silane

Floor PTect



14 Stains

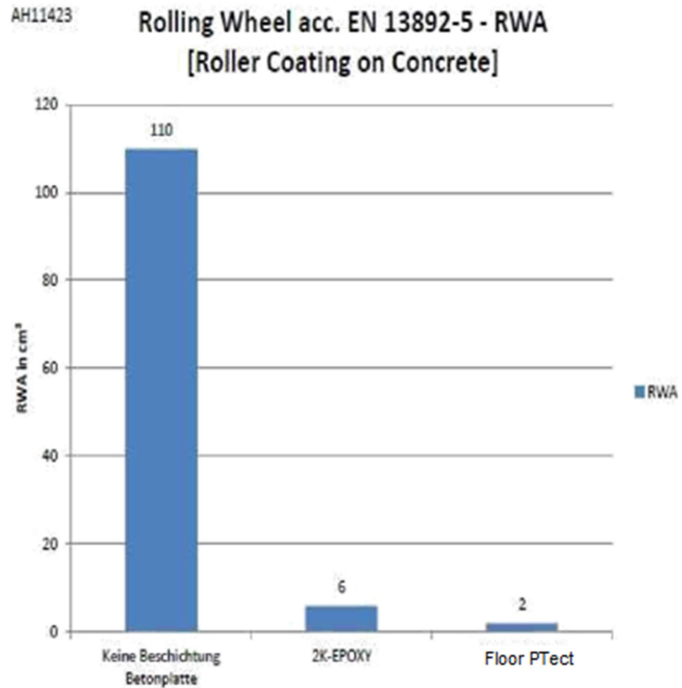
7 Stains

3 Stains

Details of anti-staining tests

	Floor PTect transp.	PUR 1K transp.	PUR 1 K filled	PUR 2K transp.	EP transp.
Distilled water	5	5	5	5	5
Salt water 20%	5	5	5	5	5
Balsamico	2	4	4	4	3
Red wine	5	5	5	4	3
Ink	5	5	5	3	2
Butter	5	5	5	5	4
Olive oil	5	4	4	5	3
Coffee	4	2	3	4	4
Mustard	5	3	4	4	4
Ketchup	5	4	4	4	4
Coke	5	5	5	5	5
Floor cleaner pH 10	5	4	5	4	4
Cement cleaner pH 1	5	3	3	3	4
Lactic acid 95 %	5	4	0	2	4
Engine oil	5	5	0	5	5
Brake fluid	1	4	5	4	5
Hydraulic oil	5	5	2	5	5
Amount	77	72	64	71	69

Improved abrasion resistance tested by heavy duty test of different coatings on concrete



Floor PTect VS PU and Epoxy – Conclusion

- ✓ Best performance for Floor PTect regarding
- ✓ Pendulum hardness
- ✓ Anti-Staining-Properties
- ✓ Further Benefits for Floor PTect
- ✓ Relatively short tack free time
- ✓ Relatively short skin formation time
- ✓ Easy to apply
- ✓ Further comparison data pending (adhesive tensile strength, UV-resistance, P)

Test area for Floor PTect in factory workshop

- ✓ Demonstrates excellent heat resistance
- ✓ Surface still intact after attack by welding and angular grinding

Welding



Angular Grinding



Surface still intact after attack by welding and angular grinding

Advantages

- ✓ Especially designed for high – duty floor joints and acid proof constructions in contrast to conventional sealants, Floor PTect shows a very high notched impact value and an extreme resistance to chemicals
- ✓ Fast curing and short tack – free time
- ✓ Excellent compatibility and adhesion to silicone floor coverings
- ✓ Excellent weather ability, resistance to ageing, UV-radiation, temperature resistance.
- ✓ Resistance to lift truck and fork lift traffic.
- ✓ Resistance to steam jet cleaning.
- ✓ Excellent resistance to detergents.
- ✓ Extreme resistance to chemical's.
- ✓ High tensile strength and high shore Hardness ensure an excellent notched impact value.
- ✓ Contains no solvents, formaldehyde, CFC, PCB, PCP.

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