

<b>PRODUCT DESCRIPTION</b>	Two-component pigmented topcoat based on epoxy resin, solvent-free.
<b>PURPOSE</b>	<ul style="list-style-type: none"> <li>&gt; Pigmented topcoat that is applied by roller or trowel for protection and decoration of concrete floor surfaces exposed to moderate to medium heavy mechanical and chemical wear (warehouses, workshops, production facilities, garages, laboratories, exhibition and sales rooms, etc.);</li> <li>&gt; Seal coat in slip resistant systems: garages, manufacturing facilities with so-called "wet processes".</li> </ul>
<b>PROPERTIES</b>	<ul style="list-style-type: none"> <li>&gt; Dry film is resistant to abrasion and resistant to water and chemicals (see chemical resistance list);</li> <li>&gt; Excellent adhesion to the substrate;</li> <li>&gt; Has a short curing time;</li> <li>&gt; It can be applied in thicker layers and filled with quartz sand;</li> </ul>
<b>DENSITY</b>	<ul style="list-style-type: none"> <li>&gt; Component A: 1,64-1,66 kg/l;</li> <li>&gt; Component B: 1,0 kg/l;</li> <li>&gt; Mixture (A+B): 1,45-1,48 kg/l</li> </ul>
<b>TECHNICAL DATA</b>	<p><b>Mixing ratio (by mass):</b></p> <ul style="list-style-type: none"> <li>&gt; Component A: Component B – 80,6 : 19,4</li> </ul> <p><b>Solid content:</b></p> <ul style="list-style-type: none"> <li>&gt; By weight: ~ 100%</li> <li>&gt; By volume: ~ 100%</li> </ul> <p><b>Pot life:</b></p> <ul style="list-style-type: none"> <li>&gt; 45 min under standard conditions .</li> </ul> <p><b>Drying/hardening time under standard conditions:</b></p> <ul style="list-style-type: none"> <li>&gt; dust dry: after approx. 12 hours</li> <li>&gt; light foot traffic: after approx. 24 hours</li> <li>&gt; full cure: after 7 days</li> </ul> <p><b>Abrasion resistance</b> (Taber abraser test, CS 10/1000/1000 g): 60 mg (7 days, 23 °C, 60% RAH);</p> <p><b>Shore D Hardness:</b> ~ 76 (7 days, 23°C, 60% RAH);</p> <p><b>Compressive Strength:</b> ~ 63,6 N/mm<sup>2</sup>; after 30 days of conditioning (23 °C, 60% RAH);</p> <p><b>Flexural Strength:</b> ~ 69,3 N/mm<sup>2</sup>; after 30 days of conditioning (23 °C, 60% RAH);</p> <p><b>Adhesion Strength:</b> 4,8 N/mm<sup>2</sup> (100 % cohesive failure in concrete); after 30 days of conditioning (23 °C, 60% RAH);</p> <p><b>Abrasion resistance</b> (Taber abraser test, CS 10/1000/1000 g): 60 mg (7 days, 23°C, 60% RAH);</p>
<b>THERMAL RESISTANCE</b>	<ul style="list-style-type: none"> <li>&gt; Continuous exposure: +50 °C;</li> <li>&gt; Longer exposure (up to 7 days): +80 °C</li> <li>&gt; Short-term exposure (up to 12 hours): +100 °C</li> </ul>
<b>APPLICATION CONDITIONS</b>	<ul style="list-style-type: none"> <li>&gt; Substrate and air temperature: min. +10 °C; max. +30 °C</li> <li>&gt; Relative air humidity: max. 75 %, with adequate ventilation.</li> <li>&gt; There must be no condensation. Pay attention to the dew point.</li> </ul>
<b>SUBSTRATE QUALITY</b>	<ul style="list-style-type: none"> <li>&gt; Compressive strength: min. 25 N/mm<sup>2</sup></li> <li>&gt; Bond strength (pull-off test): min. 1,5 N/mm<sup>2</sup></li> <li>&gt; The surface must be dry and clean.</li> <li>&gt; Substrate moisture: max. 4%</li> </ul>
<b>SUBSTRATE PREPARATION</b>	<p>Mechanical treatment (grinding and /or blasting) to remove bumps and weakly bound surface layer and surface contamination.</p> <p>The cracks, pores and uneven sections should be filled with suitable material. Remove dust and loose parts by using a vacuum cleaner or brush.</p>
<b>MATERIAL PREPARATION</b>	<p>Stir the component A. Then add component B into component A and mix thoroughly with a mixer with a low speed (max. 400 r / min) until a homogeneous mixture. Then pour the mixture into another container and mix again.</p>

<b>APPLICATION METHOD</b>	Apply by short-piled roller (crosswise) or notched trowel. Immediately after applying with the notched trowel, cross the surface with a spiked roller in order to equalize the thickness and purge air.			
<b>PROTECTION SYSTEMS</b>	<b>Roller coat:</b>			
	Function	Product	Consumption	
	Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m <sup>2</sup>	
	Seal coat	Floor Expert EP 311 (2x)	0,4-0,6 kg/m <sup>2</sup>	
	<b>Smooth layer- thickness 1 mm (trowel application):</b>			
	Function	Product	Consumption	
	Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m <sup>2</sup>	
	Self-leveling layer	Floor Expert EP 311 (2x)	1,47 kg/m <sup>2</sup>	
	<b>Seal coat in a slip resistant system (thickness 3,5 to 4,0 mm):</b>			
	Function	Product	Consumption	
	Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m <sup>2</sup>	
	Middle layer	Floor Expert EP 211 filled with 0,5 pbw Floor expert quartz 0,1-0,5	1,83 kg/m <sup>2</sup> of the mixture per 1 mm of the layer thickness (1,22 kg of the mixture (A+B); 0,61 kg Quartz sand 0,1-0,5)	
	Broadcasting*	Floor expert Quartz 0,3-0,9	4,5 kg/m <sup>2</sup>	
	Seal coat	Floor Expert EP 311 (1x)	0,7 kg/m <sup>2</sup>	
	*broadcasted on the freshly applied layer until saturation			
<b>PACKAGING</b>	Component A	Component B	Enough for	
	25 kg (A+B)	20,2 kg	4,8 kg	cca 85 m <sup>2</sup> per layer (roller application)
<b>COLOUR RANGE/GLOSS</b>	Standard offer: RAL 7032, RAL 7030, RAL 7035, RAL 7037, RAL 7040; other shades on request. High gloss.			
<b>STORAGE</b>	In dry and airy rooms in originally sealed containers at temperatures from +5 °C to +25 °C. Shelf life: 24 months			
<b>NOTES</b>	When installing the floor on a single surface (continuous application), always use the material with the same batch number. Otherwise slight deviations in the shade may occur. Epoxy coatings are not stable under UV exposure conditions and are generally not suitable for outdoor application. Extremely abrasive mechanical loads leave scratch marks and floor wear, which must be taken into account when applying these coatings.			

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