

PRODUCT DESCRIPTION	Two-component waterborne epoxy coating.
PURPOSE	<ul style="list-style-type: none"> > Seal coat for protection and decoration of concrete floor surfaces exposed to moderate to medium heavy mechanical and chemical wear (warehouses, production facilities, garages, laboratories etc.); > Protection of wall surfaces that are exposed to moisture, chemicals, and stronger mechanical loads. It can be used for protection and decoration of walls and floors covered with ceramic tiles.
PROPERTIES	<ul style="list-style-type: none"> > water-dilutable > dry film is resistant to abrasion and resistant to the effects of water and chemicals (see chemical resistance list) > excellent adhesion to the substrate > easy to clean and maintain by washing > has a short curing time > creates a barrier to CO₂
DENSITY	<ul style="list-style-type: none"> > Component A: 1,38-1,42 kg/l; > Component B: 1,11- 1,13 kg/l; > Mixture: 1,28-1,32 kg/l
TECHNICAL DATA	<p>Mixing ratio (by mass):</p> <ul style="list-style-type: none"> > Component A: Component B - 76,9: 23,1 <p>Solid content:</p> <ul style="list-style-type: none"> > By weight: ~ 66,5% > By volume: ~ 51% <p>Pot life:</p> <ul style="list-style-type: none"> > 90 min under standard conditions. The end of the pot-life is visible by strong thickening. After that it is not advisable subsequent addition of water. <p>Drying/hardening time under standard conditions:</p> <ul style="list-style-type: none"> > dust dry: after approx. 12 hours > light foot traffic: after approx. 24 hours > full cure: after 7 days <p>Abrasion resistance</p> <ul style="list-style-type: none"> > (Taber abraser test, CS 10/1000 spin./1000 g): 70 mg (7 days, 23 °C, 60% RAH); <p>Bond strength:</p> <ul style="list-style-type: none"> > 5 MPa (100 % failure in concrete)
HEAT RESISTANCE	<ul style="list-style-type: none"> > Continous exposure: +50 °C; > Short-term exposure (up to 12 hours): +100 °C
APPLICATION CONDITIONS	<ul style="list-style-type: none"> > Substrate and air temperature: min. +10 °C; max. +30 °C > Relative air humidity: max. 75 %, with adequate ventilation. > There must be no condensation. Pay attention to the dew point
SUBSTRATE QUALITY	<ul style="list-style-type: none"> > Compressive strength: min. 25 N/mm² > Bond strength (pull-off test): min. 1,5 N/mm² > The surface must be dry and clean. > Substrate moisture: max. 4%
SUBSTRATE PREPARATION	<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>
MATERIAL PREPARATION	<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. The mixture can be diluted with water up to 10 %.</p>
APPLICATION METHOD	<p>Apply in a uniform layer (avoid creating puddles) by a short-haired roller or by spraying (airless device). The next layer should be applied after 24 hours.</p>

PROTECTION SYSTEMS

Highly absorbent substrates and substrates exposed to higher loads:

Function	Product	Consumption
Primer	Floor Expert EP 101 (1x)	0,3-0,5 kg/m ²
Seal coat	Floor Expert EP 310 W (1-2x)	0,4-0,6 kg/m ²

Moderately absorbent substrates and the substrates exposed to medium loads:

Function	Product	Consumption
Primer	Floor Expert EP 310 W (1x)	0,2-0,3 kg/m ²
Seal coat	Floor Expert EP 310 W (1-2x)	0,2-0,3 kg/m ² per layer

PACKAGING

	Component A	Component B	Enough for
6 kg (A+B)	4,6 kg	1,4 kg	24 m ² per layer
18 kg (A+B)	13,8 kg	4,2 kg	72 m ² per layer

COLOUR RANGE/GLOSS

Standard offer: RAL 7032, RAL 7030, RAL 7035, RAL 7037, RAL 7040; other shades on request. Glossy.

VOC CATEGORY AND LIMITS

A (j), 140 g / l; the product contains max. 30 g / l.

STORAGE

In dry and airy rooms in originally sealed containers at temperatures from +5 °C to +25 °C.
Shelf life: 18 months

NOTES

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.