

## PRODUCT DESCRIPTION

Two component water based epoxy coating.

## PURPOSE

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

- water dilutable, no intense odor
- dry film is resistant to abrasion and resistant to the effects of water and chemicals (see table resistance)
- excellent adhesion to the substrate
- easy to clean and maintain by washing
- has a short curing time
- creates a barrier to CO<sub>2</sub>

## DENSITY

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

### Mixing ratio (by mass):

Component A: Component B - 76,9 : 23,1 (100 : 30)

### Solid content:

By weight: ~ 66,5 %

By volume: ~ 51 %

**Pot life:** 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.

### Drying/hardening time under standard conditions:

- dust dry: after aprox. 12 hours
- light foot traffic: after aprox. 24 hours
- full cure: after 7 days

### Abrasion resistance

(Taber abraser test, CS 10/1000 spin./1000 g): 70 mg (7 days, 23°C, 60% RAH);

## APPLICATION CONDITIONS

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

Compressive strength: min. 25 N/mm<sup>2</sup>  
Bond strength (pull-off test): min. 1,5 N/mm<sup>2</sup>  
The surface must be dry and clean.  
Substrate moisture: max. 4%

## SUBSTRATE PREPARATION

Mechanical treatment (grinding and /or blasting) to remove bumps and weakly bound surface layer and surface contamination.  
The cracks, pores and uneven sections should be filled with suitable material. Remove dust and loose parts by using a vacuum cleaner or brush.

## MATERIAL PREPARATION

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 %.

## APPLICATION METHOD

Apply by a short-haired roller or by spraying (airless device).

# FLOOR EXPERT

ADVANCED EPOXY SYSTEMS

## 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 <sup>2</sup>
Seal coat	Floor Expert EP 310 W (2x)	0,4-0,6 kg/m <sup>2</sup>

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 <sup>2</sup>
Seal coat	Floor Expert EP 310 W (1-2x)	0,2-0,3 kg/m <sup>2</sup> per layer

## PACKAGING

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

## COLOUR RANGE/GLOSS

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

## VOC CATEGORY AND LIMITS

A (j), 140 g / l; the product contains max. 10 g / l.

## STORAGE

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

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