

EP 300W

PRODUCT DESCRIPTION	Two-component waterborne satin-like transparent topcoat based on epoxy resin.
PURPOSE	<ul style="list-style-type: none"> Transparent seal coat on EP and PU floor coatings for achieving satin-like surface appearance and as an extra protection against mechanical I chemical load. Used in FLOOR EXPERT floor systems.
PROPERTIES	<ul style="list-style-type: none"> Satin like surface appearance. Increased resistance to standard chemicals that can affect floor surface increased wear and scratch resistance very low odour easy maintenance of the floor.
DENSITY	<ul style="list-style-type: none"> Component A: 1,2 -1,3 kg/l; Component B: 1,12 kg/l; Mixture ready to use (A+B+water): 1,1-1,2 kg/l
TECHNICAL DATA	<p>Mixing ratio (by mass):</p> <ul style="list-style-type: none"> Component A: Component B – 66,67 : 33,33 (100 : 50) <p>Solid content (ready to use mixture):</p> <ul style="list-style-type: none"> By weight: 56 -60 % By volume: 48 -54 % <p>Pot life:</p> <ul style="list-style-type: none"> 1,5 h under standard conditions <p>Drying/hardening time under standard conditions:</p> <ul style="list-style-type: none"> foot traffic: after approx. 24 hours fully hardened: 7 days <p>Abrasion resistance (Taber abraser test, CS 10/1000/1000 g): 50 mg (7 days, 23 °C, 60% RAH);</p>
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	The substrate should be flat, dry, and clean. All dust and loose particles should be removed with vacuum cleaner. The newly applied synthetic resin coating must be hardened enough to allow the foot traffic. Bond strength (pull-off test): min. 1,5 N/mm ²
SUBSTRATE PREPARATION	Remove the dust and loose parts (e. g. coloured flakes) from the newly applied EP or PU coating, by using a vacuum cleaner or brush. Old coatings should be roughened with finely abrasive material to avoid forming of the scratch marks
MATERIAL PREPARATION	Stir the component A. Then add component B into component A and mix thoroughly, manually or with a mixer with a low speed (max. 400 r / min) until a homogeneous mixture. Then gradually stir in water, 30 % by weight calculated on the mixture (A+B). The mixture must be homogeneous. Leave the mixture to stay for the 10 minutes. Then pour the mixture into another container and mix again. The mixture should be used within 1,5 hours.
APPLICATION METHOD	Uniformly spread Floor expert EP 300W by using a short pile microfiber roller. Apply the material crosswise and uniformly in a thin layer. Apply the material in one layer. The second layer is recommended for the substrates with rough structure. In that case the inter-layer interval is 24 hours.
CONSUMPTION	0,06 - 0,10 kg / m ² of the mixture A+B per layer

PACKAGING		Component A	Component B	Enough for
	6 kg (A+B)	4,0 kg	2,0 kg	75 m ² per layer
VOC CATEGORY AND LIMITS	A (j), 140 g / l; the product contains max. 140 g / l.			
COLOUR RANGE/GLOSS	Transparent, satin-like.			
STORAGE	In dry and airy rooms in originally sealed containers at temperatures from +5 °C to +25 °C. Shelf life: 18 months			

Last update: September 2021.

Limitation of Liability. The information in this data sheet is based upon laboratory tests we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the products made by Chromos, whether in technical documentation or in response to specific enquiry or otherwise are based on data which to the best of our knowledge are reliable. It is end user's responsibility to determine the suitability of the product for its intended use. Producer has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Chromos does therefore not accept any liability arising from loss, injury or damage resulting from such use. The data contained herein are liable to modification as result of practical experience and continuous product development.