TECHNICAL DATA SHEET

Item number: 0102-101-XXXX

Product name: POLYURETHANE COATING 2+1

POLYURETHANE COATING 2+1

Description: A general usage high quality two-component polyurethane topcoat. It creates a high quality, non-chalking decorative coating in high gloss. The coating exhibits good color retention and UV resistance. Dries fast and provides enhanced hardness of coatings.

CERTIFIED PRODUCT: Hygienic Certificate number 103/322/116/2013 issued by National Institute of Hygiene

RECOMMENDED USE

For decorative topcoating used in the industry as well as PC plastics coating

ADVANTAGES

- ▲ superb resistance to abrasion and weather conditions
- ▲ good mechanical resistance
- provides high quality decorative effect does not yellow, non-chalking
- resistant to oil and mild chemical splashes

TECHNICAL PROPERTIES

•	Density, (approx.) kg/dm ³	1,1
•	Recommended film thickness per one coat, dry/wet, μm.	30/70
•	Dry time (20 °C): 1 degree (tack-free), min	45
	3 degree (dry-to-touch), h	3
•	Theoretical coverage at film thickness 30 μm dm ³ /m ²	0,07
•	Solids (±2), % by volume	40
•	VOC in a ready-to-use product, g/I	470
•	Recommended number of coats	1-2

GLOSS: high-gloss tarnished can be produced

COLOR: colors according to RAL or custom colors according to client's samples



PRODUCT APPLICATION

PREPARATION OF MIXTURE – precisely mix part I with part II – (Part II item number – 0104-009-0000)

in the following ratio: by volume

part Ipart II1

Amount of thinner (item number 8002, 8010): max 20% by volume. After 15 minutes (in 20°C) the product is ready-to-use.

Store ready-to-use product in 5°C-35°C

Application methods:

conventional sprayer (after thinning; DIN 4 viscosity: 20-22sec):

Ø 1,2-1,4 mm; 2,5-3,5 atm

distance of spray tip from the surface: 20-25 cm

brush

APPLICATION

Polyurethane coating is applied on previously coated and dry primers or directly to PC plastic. 2-3 individual coats should be sprayed. Wait 20-30 minutes between spraying the coats (depending from temperature and coat thickness)

Painting and curing conditions

- minimal substrate temperature: 10°-15°C
- relative humidity up to 80%
- good ventilation

Following coatings re-coat time:

the shortest

at 20°C − 15-20 minutes

△ at 15°C – 20-25 minutes

Given times concern a coat with recommended coat thickness that dries in good ventilation environment. Dry times can change depending from temperature, ventilation condition, number of coats and coat thickness.

ADDITIONAL INFORMATION

Depending from the use, application method, type of structure a different single coat thickness may be allowed. Conventional spraying requires a coat thickness of $30-40~\mu m$. A change in coat thickness will change technical parameters of the coat as well as time when the painted surface may be used.

SHELF LIFE: 9 months from the production date in original unsealed container.

WARNING! This product is designed for professional use in the given industry. Detailed information regarding product safety can be found in the MSDS.

▲ alma-color®