

FINIWATER GLOSS

Transparent waterborne polyurethane coating (A+B)

Description

2 Component product based on a polyurethane dispersion with a hydrophilic aliphatic poly-isocyanate.

The film characteristics:

- Excellent adhesion on several materials
- Excellent mechanical properties
- Good resistance to abrasion
- Good resistance to solvents
- Good resistance to atmospheric agents
- Good resistance to ethylic alcohol
- Glossy appearance

Uses

Top Coating for resinous coverings with a very good surface finish (less dust adherence).

Preparation of the substrate

- The substrate has to be clean, degreased and all the old and not adhered resins or other have to be removed.
- Abrase the surface to facilitate the adhesion.
- As it is a top coating for already existing resinous coverings, before the application it is necessary to check the over-coating time of the older coating.



Application

Put the 2 compounds in one container and carefully mix them with a drill mixer.

Apply by short haired roller within 1 hour (pot-life), for a consumption of 0,100 gr/sqm..

Very thick films have to be avoided, as they would cause delay in the development of the final characteristics, as the in depth cure and the water resistance.

Technical Data

Colour	Transparent
Density at 25°C	1,00-1,05 g/ml
Solid content	40% in weight
Viscosity at 25°C	500 +/- 100 mPascal (Spindle 1, rpm 12)
Pot-life at 30°C	> 40 minutes
at 25°C	1 hours
at 10°C	1,5 hour
Tack free time at 30°C and 50% U.R.	2-3 hours
at 25°C and 50% U.R.	4-6 hours
at 10°C and 50% U.R.	12-14 hours
Over-coating time at 25°C and 50% U.R.	min. 2 hours, max. 1 day
Consumption	0,100 kg/sqm, for a film of 40 micron
Mixture ratio in weight	A=100 B=22
Mixture ratio in volume	A=100 B=17,60
Flash point	Not applicable
Application conditions	Temperatures between 10°C and 30°C. U.R. < 70%
Advisable diluent	Water (only after the mix of the two compounds)
Solvent to clean the tools	Water
Storage	12 months. Keep it in a dry place at a temperature between 5°C and 35°C. Product B is very sensible to humidity.
Resistance to abrasion (TABER Grinder CS-17-1000 rounds – 1000 g in weight) UNI 8298-9	< 50 mg

(*) The glossy effect of **FINIWATER TOP** depends on several factors:

- Temperature of the material
- Humidity of the room
- Temperature of application
- Porosity of the substrate