



Solmer

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Urethane acrylate dispersion

SWA 8002

Descriptions

SWA 8002 is a radiation curable polyurethane dispersion which is tack-free before cure and after water evaporation. It has been developed for energy curable pigmented top-coats on wood furniture. It is also used for clear finishes on wood along with other substrates and applications, such as field applied UV curable coatings for concrete, VCT(vinyl composition tile), and resilient floors.

Features

- Translucent to white appearance.
- Low viscosity.
- Easy to make formulation.
- Tack free after water evaporation.
- Excellent stain resistance.
- Outstanding hardness and scratch resistance.
- Very high reactivity in clear and pigmented systems.

Applications

SWA 8002 is used for manufacturing UV curable paint for wood, wood products and paper. Addition of 3~5% by wt. photo initiator, calculated on the solid binder, have proven to be suitable for initiating the curing reaction.

Formulated UV curable products containing SWA 8002 may be applied by spray, curtain and roll coating methods, as well as by roller and T-bar in field applied applications.

SWA 8002 recommended for use in :

- Pigment coatings for furniture applications
- Clear topcoat for wood furniture applications
- Field applied clear coatings on wood, concrete, VCT, and resilient flooring.

Typical Properties

Properties	Value
Appearance	Slightly colloidal milky
PH	6.0 ~ 8.0
%Solid	AP 35
Viscosity@25°C	<200
Specific Gravity@25°C	1.05

Guide formulation

	Parts by weight	
	SWA 8002	100
BYK 425	3	4
Viscosity(25°C)	800 cPs	1,700 cPs

Handling

Storage:

Avoid continuous staying over than 40°C.

Handle with care and avoid unnecessary personal contact.

Avoid contact with eyes and prolonged or repeated skin contact.

Avoid continuous or repetitive breathing of dust.