



SPC-1177

Low Viscosity Low Gloss Ultramatte UV Overcoat for Plastic and Paper

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Description

SPC-1177 is a one-part, acrylate based ultramatte low gloss low viscosity coating cured using UVA light via a free-radical polymerization mechanism. **100% solids** (No VOC).

Features

UV protective coating for wood or paper (OPV)
Fast and fully cured when exposed to UV light from various UVA sources
100% solids, No VOC
Low viscosity and low gloss

Uncured Coating Properties

Color	Clear, matte
Solids Content	100% solids, no VOC
Viscosity @ 22°C	50 cps
Flash Point	> 93°C/200°F
Dry Film Thickness per coat	~ 2 mil
Mix Ratio	One Pack, no mixing required; stir before application
Thinner	Not Required
Curing Conditions	UVA Light Irradiation
Cure Time	Fusion UV H-Bulb, ~ 800 mJ/cm ² Fusion UV D-Bulb, ~ 800 mJ/cm ²
Recoat Time, if necessary	Ready immediately
Use example	To provide overprint varnish of variable gloss without viscosity penalty using UV curable coating

Handling

Mixing – one component – requires no mixing

Application

Applied over	Paper, plastic (for example coroplast, polycarbonate, etc.)
Method of Application	Roll, spray
Surface and air temperature	60-90°F

Physical Performance of Fully Cured Coating

Solvent resistance (MEK Double Rub)	200+
Gloss 60 degrees	10
Abrasion resistance	Gloss 60 degrees after 10 double rubs with 0000 steel wool remains 10

Handling Precautions

Do not handle or use until the Material Safety Data Sheet has been read and understood. For industrial use only.

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CAUTION! This material may cause eye and skin irritation or allergic dermatitis. Use this product with adequate ventilation!! Do not get in eyes or on skin. Avoid breathing the vapors. Wash thoroughly with soap and water after handling. Empty containers retain product residue and vapors so obey all precautions when handling empty containers.