



SPC-1191, 1192, 1193

Low Viscosity sprayable UV Protective Overcoats for Wood and Paper (Variable Gloss)

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Description

SPC-1191, 1192, 1193 are one-part, acrylate based low viscosity sprayable coatings of variable gloss 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
Sprayable coating. Low viscosity

Uncured Coating Properties

Color	Clear, variable gloss
Solids Content	100% solids, no VOC
Viscosity @ 22°C	50 cps
Flash Point	> 93°C/200°F
Dry Film Thickness per coat	~ 1 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, ~ 150 mJ/cm ² Fusion UV D-Bulb, ~ 150 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, wood veneer
Method of Application	Spray
Surface and air temperature	60-90°F

Physical Performance of Fully Cured Coating

Hardness (pencil)	H – 3H
Adhesion (D3359)	Wood veneer – 5B
Solvent resistance (MEK Double Rub)	200+
Gloss 60 degrees	30 – SPC1191, 53 – SPC 1192, 65 – SPC 1193
Abrasion resistance	Gloss 60 degrees after 10 double rubs with 0000 steel wool remains 27 (for SPC 1191), 50 (for SPC 1192), 60 (for SPC 1193).

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.