

DESCRIPTION

Waterbase crystal clear strippable booth coating

USE/BENEFITS

Carbicote 945 Crystal Clear Waterbase Strippable Coating protects spray booth surfaces from hazardous overspray accumulations. It is a temporary coating that is removed during booth maintenance and new 945 reapplied.

- Crystal Clear protects glass, lights and windows with see-through clarity.
- Waterbased, nonflammable, nonhazardous, environmentally friendly (low VOC) and easy clean-up.
- Freeze/thaw stable and heat resistant.
- Recommended for powder coated steel and stainless steel booths. (See product limitations)
- Strong film peels readily. Recommended for masking applications.
- Sprays easily with airless, HVLP and conventional equipment.

HEAT RESISTANCE

Heat tested for 300 cycles from room temperature to 180°F (82°C) for 30 minutes.

PREPARATION

Remove surface contaminants including dirt, grease, oil, soap residue, wax and loose paint. The booth surface should be clean and smooth in order for the booth coating to peel properly. If the booth is coated with old paint or overspray, remove buildup by scraping or wire brushing. Use 920 Booth Prep Coat to fill in scratches and surface defects to provide a uniform base for the booth coating to peel from. Refer to 920 PDS. Glass surfaces can be scraped with razor blades or cleaned with soap and water, alcohol or lacquer thinner.

APPLICATION

Apply when the air, product and surface temperatures are above 60°F (15°C) and at least 5°F (3°C) above the dew point. Do not reduce. Increase fluid pressure to improve atomization. Typical spray setups are in table below.

Spray Type	Material Supply	Tip or Nozzle Size	Fluid Pressure	Air Pressure
Airless	Airless Pump	.011-.015"	1200-1500 psi	n/a
HVLP	Pressure Tank or Cup	1.2 mm-1.4 mm	5-10 psi	30-40 psi
Conventional	Pressure Tank or Cup	1.2 mm-1.4 mm	5-10 psi	30-40 psi
Conventional	Siphon Cup	1.4 mm-1.8 mm	n/a siphon feed	35-45 psi

DRY TIME

Normal 77°F (25° C), 50% R.H. 945 dries in approximately 30 minutes @ 1.5 mils (.0015") dry film thickness (dft). Dry times will be extended by high humidity, cold temperatures and increased film thickness. 945 is milky when wet, but dries clear. Turn on lights and booth exhaust to accelerate dry.

PRODUCT LIMITATIONS

Surfaces other than clean glass should be pretested first for peeling. For white powder coated steel booths, use 945 Crystal Clear; consult PDS. Thick overspray accumulation or "shell hardening" requires 4 X recommended film thickness and 920 Booth Prep Coat as a minimum for nominal release. More frequent booth maintenance is recommended. Contact Carbit Carbicote Sales for recommendation for future application. Do not use on Lexan® and polycarbonate plastics.

SAFETY/ CLEANUP

PROTECT FROM FREEZING. CAUTION! Do not take internally. Close container after each use. KEEP OUT OF REACH OF CHILDREN. Consult product SDS for additional warnings and precautions. Clean equipment with warm soapy water.

TYPICAL PROPERTIES

PRODUCT NO/COLOR	945 Crystal Clear	FLASH POINT	>212° F, Seta Flash Closed Cup
WT/GALLON	8.6 ± .1 lbs.	PACKAGING	55 gal, 5 gal, 1 gal
SOLIDS BY WEIGHT	29%	THEORETICAL COVERAGE	424 ft ² /gal @ .001" (1 mil dft)
SOLIDS BY VOLUME	26%	RECOMMENDED COVERAGE FOR GLASS, LIGHTS, WINDOWS	74 ft ² /gal @ 4 mils dft* 2.0 mils dft per coat (2 cts rec.)
VISCOSITY	75-78 KU	RECOMMENDED COVERAGE FOR POWDER COATED STEEL BOOTHS*	167 ft ² /gal @ 9.6 mils wet, 2.5 dry per coat. 4 cts total 10 mils dft min.
VOC	99 g/l .83 lbs/gal	SHELF LIFE	1 year inside storage room temp.

*The Carbicote Gallon Calculator uses 30% spray equipment transfer loss to calculate ft²/gal and gallons required for 945 for clean glass surfaces. Powder coated steel and stainless steel booths will require twice as much coating at a minimum.