



## Velvecron Product Features

- Medium to High solids two component soft urethane coating
- Excellent adhesion over catalyzed PPG Spectracron SAC XPB Series global basecoats
- Durable
- Excellent burnish, mar and scratch resistant properties
- Excellent solvent and chemical resistance
- Adhesion direct to certain plastic substrates is achievable
- Ancillary products available:
  - PPG Velvecron Solvents
  - PPG Velvecron Hardeners

## Product Description

**Velvecron** coatings are a state of the art medium to high solids two component urethane topcoats designed to provide the highest performance standards to meet stringent customer specifications. The solvent-borne Velvecron products combine a very low sheen with a soft luxurious feel to provide a top quality finish.

**Velvecron** films are particularly tough and abrasion resistant. The product line contains clear and limited pigmented finishes ensuring adhesion to a wide variety of substrates. The Velvecron clearcoat can be used over PPG global Spectracron SAC XPB series metallics, pearl and solid color basecoats without losing the original appearance.

**Velvecron** topcoats offer excellent burnish, scratch and mar resistant properties. After exposure to over 1000 hours of QUV, Velvecron maintains its low sheen and resists color fade. Additionally, it has excellent resistance to many industrial solvents, household cleaners and protective skin lotions and oils.

## Commercial Applications

- Cellular Products
- Computers
- Portable PDAs
- Television Applications
- Automotive & Truck Interiors

## Substrates

All surfaces must be properly cleaned and / or prepared with a suitable basecoat or primer. A primer matrix has been established for adhesion to difficult plastic substrates.

- PC/ABS blends (w & w/o clear primer)
- Polycarbonate
- ABS
- Vinyl
- TPO
- Aluminum (w clear primer)



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## Film Properties

Film properties are given considering tests are on properly cleaned and treated plastic substrates. Planted parts must be conditioned at 72°F and ambient humidity for 7 days prior to testing. Spectracron SAC XPB basecoats must be catalyzed to achieve optimum performance with Velvecron Topcoat

Property	Method	Result
Dry Film Thickness	Calibrated Electronic Film Thickness Meter	1.0-3.5 mils
Humidity Resistance	ASTM D4585-92 500 hrs.	No Blisters 100% adhesion
Salt Spray	ASTM B117-95 360 hrs.	No gloss change
Hardness	ASTM D3363	2B initially F-2H after 1 week
Adhesion	ASTM D3359	4B - 5B
Solvent Resistance	50 double rubs with MEK and Xylene	No change
Abrasion Resistance	Norman Abrader 175 gram load	Minimum 200 cycles basecoat dependent
Gloss	ASTM D523	10 maximum, basecoat dependent

## Physical Properties

Property	Method	Result
Solid % (Weight)	ASTM D2369-92	58-63%
Solid % (Volume)		49-53%
Weight per Gallon		8.7-9.1
Viscosity (blended)	#3 EZ Zahn	14-24 seconds
VOC (unblended)	EPA Method 24	3.5 lbs. / gallon
Shelf Life		12 months (unopened package)

## Recommended Cure Schedule

Property	
Bake Parameters	10 minutes RT Flash + 30 minutes at 180°F
Thinner & Hardener Type	See appropriate technical data sheet