TPO Painting Guide

Thermoplastic olefins (TPOs) can be painted using various methods. The information below is for general purpose painting. Each specific application needs to be reviewed to optimize the process and material selection.

Paint Process Requirements

- Surface treatments, see treatment and suppliers below.
  - Specialty primers or surface treatments can be applied directly to clean TPO surfaces. Cleaning methods vary from solvent wiping to power wash cleaning systems. Most paint systems can than be applied over the cleaned and treated parts using standard paint application methods.

- One coat paint systems
  - Paints modified for direct adhesion to TPO can be applied to clean TPO surfaces.
  - Suppliers of one coat TPO paint systems
    - NB Coatings (800) 323-3224
    - Red Spot (812) 428-9100
    - Sherwin Williams (248) 588-3500

Types of Surface Treatments and Suppliers

Surface treatments available are specialty primers, Corona treatment and flame treatment. Suppliers are listed below.

- Chlorinated adhesion promoters or primers (Can be sprayed, rolled, or wiped on)
  - PPG (248) 641-2000
  - NB Coatings (800) 323-3224
  - Red Spot (812) 428-9100
  - Sherwin Williams (248) 588-3500

- Corona Treatment (Can be treated by hand or automatically)
  - Electro-Technic Products, Inc.: (773) 561-2349
  - Corotec Corporation: (860) 678-0038
  - PlasmaTreat: (905) 816-2350
  - Enercon Industries Corporation: (262) 255-6070

- Flame (Can be treated by hand or automated)
  - TS Automation, Inc.: (517) 545-8150
  - Enercon Industries Corporation: (262) 255-6070

Contacts for some of the Major Paint Companies

- AKZO (248) 451-6131
- BASF (248) 304-5700
- DuPont (248) 583-8000
- PPG (248) 641-2000
- NB Coatings (800) 323-3224
- Red Spot (812) 428-9100
- Sherwin Williams (248) 588-3500

More detailed processing information can be obtained from Solvay Engineered Polymers and the companies listed above.
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TPOs are paintable:

● **Automotive process:**
  - ✓ Adhesion Promoter
  - ✓ High Bake (250°F, 30 min.)

● **RV process (Rollie-Williams):**
  - ✓ Clean & ScotchBrite
  - ✓ RWPS 227 adhesion promoter
  - ✓ Air Dry / Low Bake system