

# Painting Guidelines for Polycarbonate Enclosures and Antenna Radomes

Ventev recommends a BASF polymer or equivalent non-metallic paint for our polycarbonate line of enclosures and on antenna radomes. This material has the properties needed for long term protection while not impacting the RF performance of radiating devices including antenna and/or radio/AP inside the enclosure. The material is paintable if the procedure below is followed.

Please note that several antenna models have vent holes located at the bottom of the radome for ventilation & condensation drainage. Care should be taken to prevent blocking these holes during the painting process.

## Key Considerations:

- Latex primers do not adhere well
- Surface roughening promotes adhesion
- Surface wipes do not promote adhesion (acetone, alcohol, etc.)

## Preparation: (Regardless of the paint you choose, the following should apply)

- Carefully read and follow paint manufacturer's instructions
- Work in a well-ventilated area
- Keep surface clean and dry

## Paint Application:

- Lightly sand the surface with Scotch Brite™ by 3M.
- Apply two component Isocyanate Urethane Sealer (BASF Diamont product #DS 30).
- After 30 minutes, while still semi-wet, apply single stage Urethane top-coat (BASF Solo).
- For high gloss, apply a second clear coat.

NOTE: Use caution to avoid any paint or surface preparation products from contacting the RF connectors. Any foreign material in this area may cause performance issues.