

Painting radomes of CommScope base station antennas

With demand growing for aesthetically-pleasing environments, painting antenna radomes to suit their surroundings is one of the most optimal solutions. Below are general guidelines on how to paint CommScope base station antennas.

This CommScope technical publication provides best practices to consider, but is not intended to replace the paint manufacturer's instructions. Please consult the paint manufacturer for product information, painting equipment, recommended mixing methods and application instruction. Although we refer to specific Sherwin-Williams® products, CommScope is not endorsing one manufacturer over another; a variety of paints can be used successfully.

Product finishes (CommScope's preference)

- Sherwin-Williams Extreme Bond Primer
Product number: B51W00150
- Sherwin-Williams DTM Acrylic Coating
Product number: B66W01151

Antenna materials

CommScope radomes are made of fiberglass, PVC and ASA.

General precautions

- All labels should be masked before painting.
- All connectors should be masked before painting to ensure good quality electrical connection. Mounting brackets that support the structure must also be masked to provide a low-resistance-to-earth path during lightning storms (i.e., a ground antenna).
- All drains and other ventilation holes must remain open and clear during painting.

Surface preparation/painting

- Wipe down and clean surface completely.
- Apply primer and allow two hours to dry before sanding (if sanding is required) – then apply coating.
- Coating dry time is dependent on temperature, humidity and whether it is force dried.

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