

Painting ION-E® UAP plastic housings

To customers who may want to paint the universal access points (UAPs) housing to match a specific color scheme, this technical paper provides best practices to consider. This is not intended to replace the manufacturer's instructions, so please consult the paint manufacturer for product information, painting equipment, recommended mixing methods and application instructions. Although this paper refers to specific products, CommScope is not endorsing one paint manufacturer over another; a variety of paints can be used successfully.

Product finishes

The housing of the UAP is made of polycarbonate/ABS plastic.

Paint

Be careful when selecting paint. The paint you choose cannot contain metallic particles, high levels of carbon, or conductive dyes. Paint must also be RF transparent and UV resistant.

One readily-available low-VOC paint is Sherwin-Williams® Polane HS Plus Polyurethane Enamel. Sherwin-Williams recommends that catalyst V66V55 be used with this paint. A vinyl wash primer may be used, but is not necessary for this paint on nonmetallic surfaces.

Paints that contain metallic particles, such as Sherwin-Williams Polane Silver paint, should not be used.

Surface preparation

Remove old layers of paint or other surface contamination before painting. Water containing a mild detergent, industrial-grade isopropyl alcohol, and acetone (highly flammable) are good low-VOC cleaners.

Although sanding is not necessary, we recommend light sanding with a 400-grit or higher sandpaper. After sanding, always clean the surface with isopropyl alcohol or other cleaner to remove grit and dust.

General precautions

- All paints and cleaners must be compatible with the UAP housing and must be RF transparent.
- All holes and ventilation openings must remain open and clear during painting.

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