



Painting Base Station Antennas

To conform to increasing environmental and aesthetic issues in site acquisition, customers may wish to paint their antenna radomes. The following guidelines are not intended as a substitute for the paint manufacturer's detailed instructions, mix ratios, application and specific equipment requirements.

Paint

In order not to affect the radiation characteristics of the antenna, do not use paints which contain conductive dyes, high levels of carbon or metallic flakes. The paint must be RF transparent and UV resistant.

Antenna Materials

Argus Base Station Radomes are made from Fibreglass, ASA or UPVC; the end caps are made of glass filled ASA.

Surface Preparation

Remove all surface contamination or old layers of paint before painting by washing with water and a mild detergent or with isopropyl alcohol.

It may be advisable to lightly abrade the surface with a non-metallic abrasive nylon pad or 400 grit paper for ASA or UPVC and 280 grit paper for Fibreglass radomes. To remove the residual grit and dust clean the surface by washing with clean water or with isopropyl alcohol.

General Measures

- Mask all connectors and labels.
- Mask the mounting brackets on the rear of the antenna.
- Do not seal any ventilation or drain holes.
- Maintain DC grounding