



Coastal Environmental Package and Corrosion Resistant Coils

May 2007

For wall mounted air conditioners and heat pumps to be installed in close proximity to the ocean or other corrosive environments, Marvair offers the Coastal Environmental Package. This package extends the life of the air conditioner or heat pump by providing a corrosion protection coating or finish on the components located in the outdoor compartment, including the outdoor coil.

The package includes the following:

- Dacromet® external fasteners
- A sealed condenser fan motor
- A sealed electrical controls compartment
- A two layer epoxy/urethane applied to all exposed components in the outdoor condenser compartment
- An impregnated polyurethane coating applied to the outdoor coil.

Marvair offers an aluminum-impregnated polyurethane (brand name Blygold® PoluAl XT) protective coil coating. Detailed information on the properties and advantages of the PoluAl XT can be found at www.blygoldamerica.com. The thin (1 mil) coating has a negligible effect on pressure drop and heat transfer of the coated coil. The aluminum-impregnated polyurethane coating is flexible and UV and impact resistant.

The exposed metallic components in the condenser section are first coated with a two part polyamide epoxy and finished with a two part acrylic urethane. This epoxy/urethane system is resistant to alkalis, salts, hydrogen sulfide and moisture, is UV resistant and is manufactured by ICI Devoe Coatings.

All AVP units can be ordered with the Coastal Environmental Package. Please allow 4 additional weeks for units with the Coastal Environmental Package.

A coated outdoor coil is included in the Coastal Environmental Package. However, if the complete corrosion protection is not required, the unit can be ordered with only a corrosion resistant condenser coil. Please allow 4 additional weeks for units with coated coils.