

PICSeal[®]

Avionic Antenna Gaskets

Flexible, Conductive, Easy to Remove, Antenna-Footprint-Specific
for

• Air Transport • Commuter • Military • General Aviation • Aerospace

PIC's die-cut antenna gaskets solve many problems in installation and repair of antenna mounting — particularly bottom-mounted antennas where pooling moisture can cause damaging corrosion. These gaskets replace rubber+sealant types or polysulfides which require 24 hours curing time and considerable time and effort to remove.

PICSeal gaskets were developed by one of the original inventors of the Boeing "Sandwich" Gasket and the "Gel" gasket for airplane use. The material is an uncured, catalyzed sealant formulated without silicone oil and is tested to DO-160 requirements. It remains flexible even after prolonged exposure to the elements — even at temperatures as low as -300°F.

The flexibility of PICSeal gaskets conforms to mating surfaces to maintain a permanent, impenetrable seal against moisture to prevent corrosion.

The cured material is easily removed without damage or extensive clean-up of the mating surfaces — a serious problem for installations using RTV's and applied

sealants. After removal of damaged antennas or probes, PICSeal gaskets can be installed in minutes and provide quick gate turnaround in as little as 20 minutes.

These antenna gaskets are layered in a conductive material compatible with the aircraft structure, eliminating the need for special handling or protective liners. Unlike types with liners, these gaskets are not sticky, will not trap dust and debris, making installation unusually trouble-free.

Although curing is unnecessary in antenna installations, this material can be cured at low temperature, 80°C (200°F) which reduces the risks of igniting low flash-point flammable materials in hazardous areas.

In addition to antenna applications, these gaskets are also available for pitot, angle of attack, and other probes, ice detectors, drain masts, strobes, aircraft running lights, and many other installations requiring gaskets.

APPLICATION DATA

Pressure Withstanding, Installed	150 psi	Electrical Conductivity	< 0.2 mΩ
Temperature	-200° to +260°C (-300° to +500°F)	(Resistance - Antenna to Aircraft Skin)	
Fluid Resistance	Skydrol, Jet Fuel, Typical Aviation Hydrocarbon Solvents, Salt Water, De-Icing Fluids	Toxicity	None Known
Curing Temperature	+80°C (+200°F)	Hardness, Shore A	50 ± 5
		Flammability, Max. Burn Length	2.5 in.
		Thickness (Standard)	.070 in.