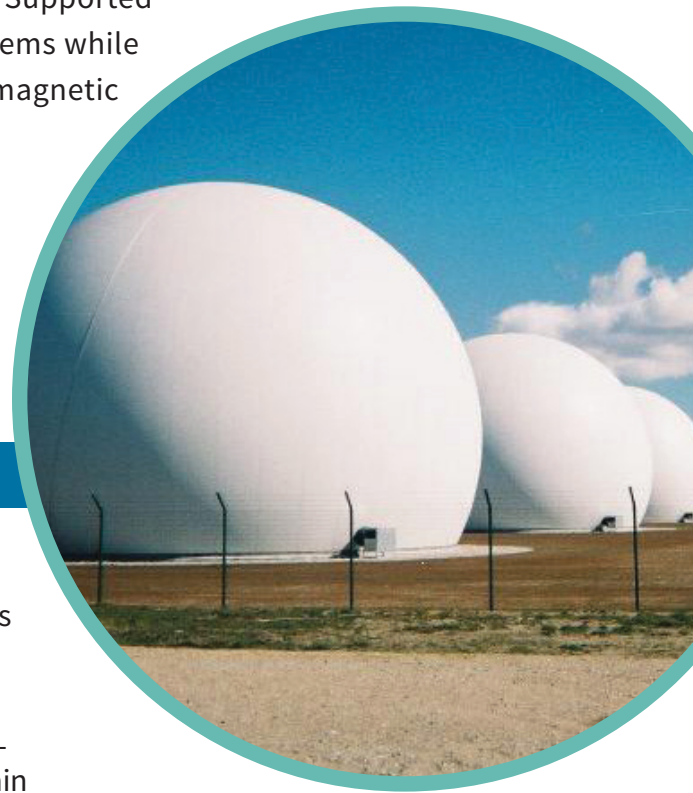


# SHEERGARD™

## Air Supported Radomes

SHEERGARD™ is the engineered solution for high performance aircraft and land-based radomes that offers maximum equipment protection while optimizing system performance.

Saint-Gobain SHEERGARD™ Air Supported Radomes protect antenna systems while providing outstanding electromagnetic transmission performance throughout a wide frequency range.



• Features • Features • Features • Features • Features • Features •

- Very low transmission loss and sidelobe degradation
- Wideband performance
- Proven structural design - high wind speed design available
- High reliability pressurization systems
- Low maintenance / operating costs
- Fast installation - minimizes system down time and risk
- Permanent PTFE (Teflon™) surface for hydrophobicity - excellent performance in rain
- Color options available
- Transportation costs minimized - 100ft. (30m) diameter radome typically ships in 2 standard shipping containers



Protecting Under Pressure

Saint-Gobain is one of the world's top 100 industrial corporations, with a tradition of excellence dating back more than 350 years.

The company has a strong and ongoing commitment to quality, leadership and customer service in the five major industrial sectors in which it operates: Construction Products, High-Performance Materials, Flat Glass, Packaging and Building Distribution.

**Pressure system reliability**

- Multiple blowers for redundancy
- Dual belt drive
- Parallel or fail safe circuitry
- High reliability control system components >0.999999 reliability
- Low maintenance / operating costs

**Materials**

- High strength Kevlar fabrics available with excellent transmission properties
- Low IMP characteristics with no special treatment required

**Design Life**

- 20 year design life standard

**Hydrophobicity**

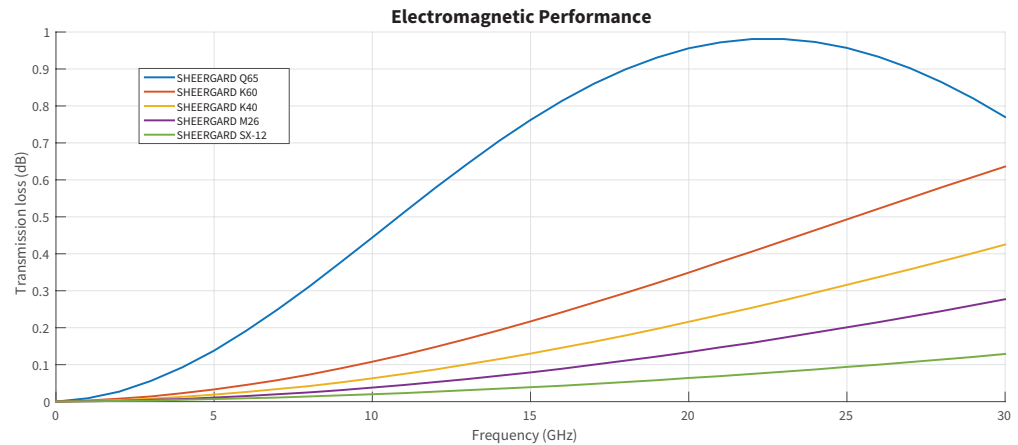
- PTFE surface for permanent hydrophobicity
- No recoating needed throughout radome life

**Auxiliary Equipment**

- Lightning protection
- Accessibility - personnel, equipment
- Aircraft warning lights
- Interior lighting

**Installation**

- Worldwide installation services available
- Fast and efficient - typically 2 hours inflation time



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