

WATER SEALING ANTIMICROBIAL GASKET FOR INTERCOM SYSTEM

CHALLENGE: Digital display interface of communication system required a gasket to seal intercom console from dust, moisture, and other contaminants. Gasket was previously made by another manufacturer and leaked when sprayed with cleaning solution, compromising the internal components and potentially causing total system failure.

MATERIAL: Rogers PORON® AquaPro™ Urethane Foam

- Cellular material
- Offered enhanced water sealing and long-term performance (outperformed other material options initially and over long service life)

MATERIAL: Autotex Antimicrobial Film

- Textured, hard-coated polyester film
- Antimicrobial agent in film disrupts bacterial cell wall, killing or inhibiting bacterial growth

MATERIAL: 3M™ 9832 Double Coated Tape

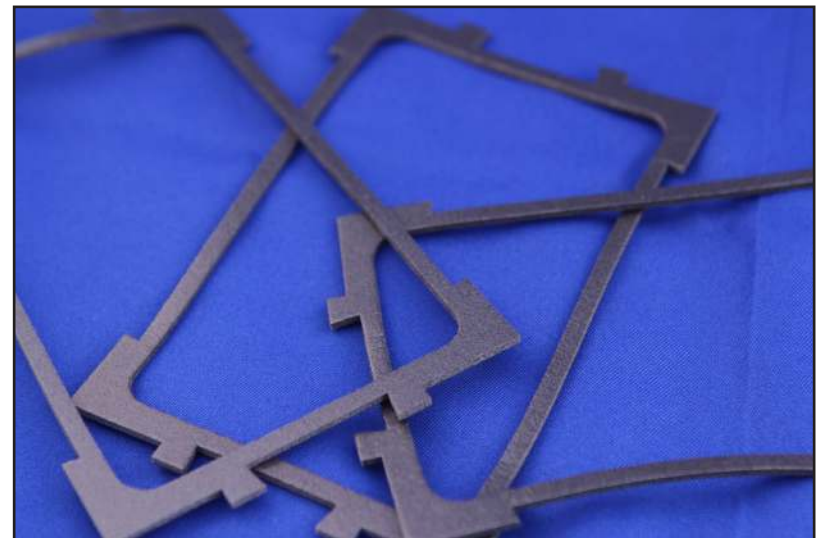
- Provides dependable adhesion to a variety of substrates



Representation of intercom system

SOLUTION: Marian Water Sealing Antimicrobial Gasket

- Custom gasket comprised of 3 layers
- In-house material availability allowed for next-day rapid prototyping & quick turnaround on material testing
- Solved leaking and renewed customer's confidence in their product



Representation of PORON AquaPro water sealing antimicrobial gaskets