



US-SP-9003

Sound Dampening Silicone Rubber Undercoating

US-SP-9003 is a fast cure silicone RTV rubber developed for spray undercoating of passenger vehicles, trucks and heavy equipment. This is a 1-Part silicone that when cured offers sound dampening properties in a fireproof rubber coating. This product is superior to petroleum / asphalt based undercoatings in both abrasion and fire resistance. Works well in manual and automatic spraying equipment.

Product Features

- Fireproof
- Fast room temperature cure
- Exceptional abrasion resistance
- Sprayable
- Excellent adhesion to metals and composite substrates
- Temperature range -40 to 260C

Color: Black

Typical Applications

- Vehicle undercoating
- Aircraft interior NVH reduction
- Vehicle interior sound dampening

Typical Properties

Uncured

Viscosity, cps: 200,000
Consistency: thick liquid

Specific Gravity: 1.12
Working time, mins. at Room Temperature: 20

Cured - Room Temperature

Tensile Strength, PSI: 300
Elongation, %: 260
Durometer, Shore A: 38
Peel Strength, PPI: 40

ONR TEST RESULTS

SOUND DAMPENING: SAE J1400 – Airborne sound barrier test 0.020 thick: 43db

FIRE RESISTANCE: MIL-PRF-24596 0.020: pass

CHIP RESISTANCE: ASTM D3170: pass

ABRASION/EROSION: ASTM D3359: pass

Method of Application: Apply two coats of 25mils. Allow to cure 24 hours prior to use.

Chemical cure system: Condensation cure system

Solids: >50% solids, contains no VOC solvents

Service temperature: -40 to 260C

Limitations: Do not use product in a fuel or solvent immersion application. Allow to fully cure before putting assembly into service.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.