



QuietSeal[®] Acoustical Sealant QS-350

Product Description

QuietSeal is a non-staining, one-component, non-skinning, non-drying butyl sealant specifically designed for acoustical isolation.

- Ultra-high quality acoustic isolating sealant/caulking
- Maintains highest STC values
- Unlike most other brands, remains permanently soft
- Excellent for use with any acoustic (high STC) wall, floor, or ceiling installation

Use

To achieve high Sound Transmission Class values (STC) in drywall and plaster wall or ceiling systems by sealing perimeter joints and openings in partitions and by bedding electrical outlets and switch boxes in panels.

Application

QuietSeal extrudes easily at normal working temperatures by hand or power gun and will adhere well to all clean concrete, gypsum, plaster, steel, wood and aluminum surfaces without priming. QuietSeal is highly resilient and can therefore withstand any amount of movement normally encountered in partitions.

Note

Always extrude a full 3/8" bead into the joint before the next panel is placed. The sealant should be applied between track or runner, walls, floors and ceilings, as well as between panel edges, and contact surfaces, as illustrated. The number of beads required, will vary from one to two in most applications depending upon size of potential airgap. Special problem areas may require a premolded loose-cell filler or additional sealant between track and drywall at top and bottom edges, according to design specifications.

Limitations

QuietSeal is designed strictly for interior use between joints. It should not be applied at the sight-line, where dirt pick-up is likely, except where molding or joint taping will conceal it. A non-skinning sealant such as QuietSeal cannot be painted over. QuietSeal is easily removed from unwanted surfaces with any paint thinner.

Preparation

Joints and surfaces on which QuietSeal is to be applied, must be clean, dry and free of dust or other foreign matter.

Suggested Specification

QuietSeal, non-skinning butyl rubber sealant by Quiet Solution, Inc., of Sunnyvale, CA, shall be used in drywall and plasterwall systems where noted on drawings, to seal openings between edges of panels, walls, partitions and studs, ceiling and floor tracks, etc. and to bed wall-switches, outlets and similar fittings in panels to effectively block air-borne sound transmission.

Technical Data

Properties

Colors extrudability	Light yellow (ASTM D2452-75) 2.8 sec. per ml. max 0.104 inch, orifice, 50 psi)
Total solids content	(ASTM C681-73) 91% (by wt.)
Volume shrinkage	(ASTM D2453-75) Less than 18% by volume (82% volume solids).
Weight per gallon	(ASTM D1457-60) 14.1 lbs +/- 0.5 lbs.
Coverage range	1478 lineal ft. per gallon, at 1/8" bead, 375 lineal ft. per gallon at 1/4" bead, 165 lineal ft. per gallon at 3/8" bead.
Drying time	Non-skinning, remains permanently soft and tacky.
Engageability	Sealant will easily engage and transfer to male joint at -10°F
Vehicle bleedout	No visible oxidation of vehicle from sealant after three weeks at 158°F (70°C) on painted or unpainted metal surfaces.
Flexibility	(ASTM C711-72) No Cracking or loss of adhesion at -60°F bent 180° over 1/4" mandrel.
Service temperature	-40°F to +240°F
Sag	(ASTM D2202-73) Sealant will not sag more than 0.10" when placed vertically in oven at 155° to 161°F for 1/2 hour. Meets (ASTM C639-69) for Type II Single-component Non-sagging Sealant.
Staining	(ASTM D925-76 Method A) Sealant will not deteriorate a painted surface.
Heat aging	No loss of surface tack or adhesion.
Water resistance	Sealant will maintain adhesion to metal surface for 30 days at 120°F, submerged in water.
Weatherability	(ASTM D750-68) After 1,000 hours in weatherometer, no cracking, bleeding or loss of rubber characteristics.
Chemical resistance	Excellent in water, ozone, water vapor, alcohols, fair to weak acids and bases. Poor to organic solvents.
Static water head test	(MBMA ICE DAMMING): Sealant passes five (5) inches water head simulated test.
Safety	Wet flammability (ASTM D93-80) 125°F Dry flammability - Combustible (450°F).
Threshold limit value for substance	T.L.V. 200 ppm.
Additional Requirements	
Meets	Canadian specification CGSB 19-GP-21M. American Federal Specification TT-C-1796A, Type 1, Class A.
Packaging	Poly-tipped tubes 10.75 fl. oz./tube; 24 tubes/carton 29.00 fl. oz./tube 12 tubes/carton
Freight classification	Caulking Compound
Shelf life	One year in sealed container
Clean up	Paint Thinner or Laquer Thinner

Engineered soundproof caulking sealant to damp noise and vibration. Ideal for homes, apartments, condos, offices, schools, hospitals, factories and warehouses.

Outperforms all other brands which harden over time, reducing desired STC.



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