

Insul-Quilts, Inc.

Sound Absorbtion Blanket - Plenum Barriers - Baffles

Insul-Quilts Standards, Tests and Approvals

A Type Mounting	125	250	500	1000	2000	4000	NRC
Sound Absorption (Sabins)	24	66.3	62.5	55.7	53	51.5	
Sound Absorption Coefficient	0.38	1.04	0.98	0.87	0.83	0.80	0.95

NIC (STC) 50 rating is achieved using 5/8" drywall with Insul-Quilt vs. a NIC 32 rating using drywall alone.

- Surface Burning Characteristics (ASTME-84)
- Flamespread/Smoke Density = Zero
- Thermal Conductivity of insulation material is R-Value 12

Product Information

Insul-Quilts are comprised of 1 layer of .00025" flame-proof foil on 100 lb Kraft paper encasing 2 layers of RA-25 fiberglass insulation and a layer of .0068" glass fiber plain weave fabric in white or black. Custom colors are available. The sides are finished with the ends open. They may be closed if needed for specific application. The quilts are sewn with loop stitching 4" OC. The finished product is 4' wide, 16' long and nominally 2" thick, weighing approximately 24 lbs./roll.

Acoustic Applications

- Sound Absorption for Sound Studios, Auditoriums, Concert Halls
- Sound Barrier Blankets/Baffles for Residential/Industrial Zoning Conflicts
- Plenum Barriers for Reduced Sound Transmission
- Interior/Exterior Noise Mitigation
- HVAC Applications/Ducts Jackets

Installation

Insul-Quilts may be installed horizontally or vertically. Gromits may be applied for mounting purposes depending on the application.

Insul Plenum Barriers and Insul Baffles installation vary. See installation methods at www.insulquilts.net/index.html#specs