

# **dB3® RENOVATE**

## Noise and Vibration Isolator for Existing Walls & Ceilings



### FOR COMMERCIAL AND RESIDENTIAL USE

#### **LOW FREQUENCY SOUND PROTECTION**

Adding dB3 Renovate to new and existing light gauge metal framed walls reduces low frequency noise by as much as 50% when it's covered with a layer of 5/8" gypsum

#### **VERSATILE**

Isolates airborne and structure borne noises at a range of frequencies below 500 Hz and airborne noises 2000 to 3150 Hz to subdue everything from music and voices to a vacuum cleaner and telephone

#### **EASY INSTALLATION**

dB3 Renovate is lightweight and easy to install, providing an economical solution to low frequency noise issues

#### **ENVIRONMENTALLY SAFE**

Made from polyester fiber laminated to a moisture-proof polyethylene film and does not contain plasticizers or unsafe chemicals

#### **AMERICAN MADE**

Manufactured from materials sourced in the United States and produced in our North Carolina manufacturing facility

#### **IDEAL APPLICATIONS**

Commercial applications with walls adjacent to equipment such as compressors, heating equipment, industrial fans, and large motors

Residential applications like theater rooms, utility rooms and living rooms

#### **ECO-FRIENDLY ATTRIBUTES**

Polyester fiber layer made from recycled material

## NOISE AND VIBRATION ISOLATOR FOR EXISTING WALLS & CEILINGS

dB3 Renovate offers robust isolation of low frequency airborne and structure borne noise. It has exceptional performance at frequencies under 500 Hz where music and voices are intrusive and at frequencies between 2000 and 3150 Hz where noises like a vacuum cleaner, telephone, or whispering are disruptive. dB3 Renovate is made from polyester fiber laminated to a moisture-proof polyethylene film. dB3 Renovate doesn't contain any plasticizers or unsafe chemicals and is flexible and easy to install.

### PREPARATION & APPLICATION

1. Surfaces to receive dB3 Renovate should be clean and dry. dB3 Renovate should only be installed between two layers of material, preferably gypsum or a combination of paneling and gypsum.
2. Installers should utilize acoustical sealant, tape, sound rated putty, and sound isolation materials to preserve acoustical integrity; do not use dB3 Renovate within two feet of a light fixture
3. Install vertically or horizontally
4. Attach at the top only with screws or staples; dB3 Renovate will be secured permanently when the finished wall is fastened
5. dB3 Renovate may be used on new or existing gypsum walls and is to be covered with a layer of gypsum.

Rule of thumb – A 10 dB improvement cuts the perceived noise by half

Wall Type	80	100	125	200	250	500	1600	2000	2500	3150
2x4 uninsulated wood wall	No Data	19	19	17	22	32	40	35	36	41
Uninsulated metal wall	12	8	21	27	31	39	49	38	40	43
Insulated metal wall	10	19	29	39	42	52	57	47	48	52
Insulated metal wall with dB3 Renovate and 5/8" gypsum	16	25	35	42	44	52	60	51	52	58

Wall Assembly TL Test # RAL -TL21-013	Materials
Material	25g EQ Steel Studs
Dimensions	1.25"x 3.625"
Stud Spacing	24"
Side #1	5/8" gypsum
Cavity	R-13 fiberglass
Side #2	2 layers of 5/8" gypsum with dB3 Renovate sandwiched in between layers

dB3 Renovate Physical Properties	
Sheet Dimensions	48'x 25'
Weight	.12 lb./sq. ft. (nominal)
Thickness	0.10 compressed
Standard Tolerances Width Length	+ 0.5" -0" + 1% - 0" .



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