

## Acoustical Control Liner Panel RWL9-36AC

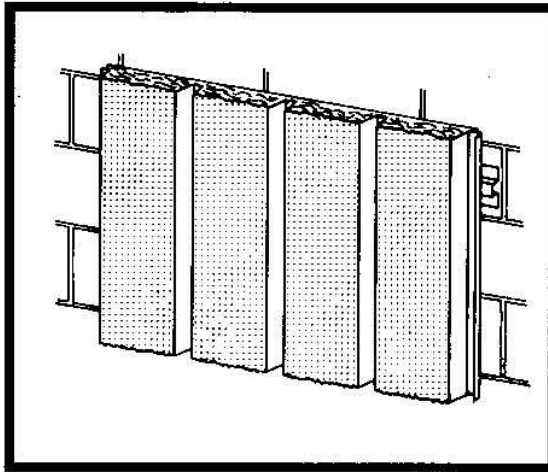
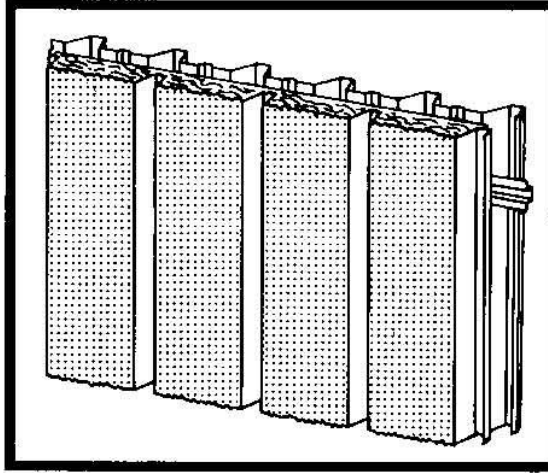
### Measuring Sound Absorption

The sound-absorbing characteristics of different materials vary widely. Most hard or rigid surfaces (concrete, plaster, glass, etc.) absorb very little sound. Porous, soft or limp materials, on the other hand, absorb appreciable amounts of sound.

The degree to which a surface absorbs sound is measured in terms of a Sound Absorption Coefficient: the fraction of sound energy absorbed, or otherwise not reflected.

### NRC — Noise Reduction Ratings

The effectiveness of a sound absorbing material is measured by averaging absorption coefficients at different frequencies (250, 500, 1000, and 2000 Hz) and arriving at a Noise Reduction Coefficient (NRC). The NRC rating is widely used to compare the sound absorption capabilities of various building materials.



Inland Buildings' acoustical control can be achieved three ways: field-assembled wall systems, panels attached to existing walls, and field-assembled standing seam roof systems.

These variations are capable of outstanding NRC (Noise Reduction Coefficient) ratings.

RWL9-36AC acoustical panels are designed for use as interior liner panels in combination with any Inland Buildings exterior wall panel. They are shown here in a field-assembled, insulated wall system. The RWL9-36AC deep section allows more space for glass fiber insulation, and achieves a U-factor of .135. The panel has a tested NRC rating of .85. RWL9-36AC acoustical panel can be fastened to existing masonry to cut sound. Range of NRC values, depending on details used: .65 to .85. Panel available in 26 ga. G90, white only.

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