



# Engineered to Reduce Impact Noise

Bona Adhesives

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## Understanding Impact Noise

High heels, scampering dogs, dropped objects. Sound is transmitted when hard objects interact with hardwood floors. Without anything to absorb it, sound waves can permeate the building envelope. Suppressing that sound is incredibly important in custom residential homes, office buildings and multi-family condominiums.

### Resistance to Impact Noise

**Bona® Adhesives** are tested in accordance with the IIC (Impact Insulation Class) standard using the measurement procedure ASTM E492-09. This standard measures the floors resistance to the transmission of impact noise, such as those mentioned above. The higher the rating the better the sound absorption. The Uniform Building Code (UBC) requires a rating of 50.

### Your Guide to Choosing the Right Adhesive

PRODUCT	FLOOR TYPE	SHEAR/ ELONGATION	MOISTURE	COVERAGE	SOUND REDUCTION RATING	PACKAGING
<b>BONA R848 ADHESIVE</b> 	<b>Engineered Prefinished or Unfinished Wood Flooring</b> <ul style="list-style-type: none"> <li>Up to 7" in width</li> <li>Up to 3/4" thick</li> </ul>	245 psi/300%	Up to 6lbs or 80% RH, 3% Tramex or 1.8% CM	70-75 square feet/gallon depending on trowel notch requirements	<b>IIC 68 dB</b> <b>STC 65 dB</b>	3-gallon container
<b>BONA R851 ADHESIVE</b> 	<b>Solid or Engineered Prefinished or Unfinished Flooring</b> <ul style="list-style-type: none"> <li>Up to 16" in width (9" for solid)</li> <li>Up to 3/4" thick</li> </ul> <p>When used with "MBP Clip-On" Trowel</p>	335 psi/250%	Up to 15 lbs or 85% RH, 4% Tramex or 2.5% CM	50-85 square feet/gallon depending on trowel notch requirements		
<b>BONA R859 ADHESIVE</b> 	<b>Solid or Engineered Prefinished or Unfinished Flooring</b> <ul style="list-style-type: none"> <li>Up to 16" in width (9" for solid)</li> <li>Up to 3/4" thick</li> </ul> <p>When used with "MBP Clip-On" Trowel</p>	335 psi/250%	Up to 15 lbs or 85% RH, 4% Tramex or 2.5% CM	50-85 square feet/gallon depending on trowel notch requirements	<b>IIC 70 dB</b> <b>STC 65 dB</b>	4-gallon container
			Up to 18 lbs or 95% RH	30-35 square feet/gallon		