



Engineered to Reduce Impact Noise

Bona® Adhesives



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Bona®

Understanding Impact Noise

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

Resistance to Impact Noise

Bona® adhesives are tested in accordance with the Impact Insulation Class (IIC) standard using the measurement procedure ASTM E492-09, as well as ASTM E90-04 for Sound Transmission Class (STC). This standard measures the floor's 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.

PRODUCT	FLOOR TYPE	SHEAR/ ELONGATION	MOISTURE	COVERAGE	SOUND REDUCTION RATING	PACKAGING
Bona R851® Adhesive 	Solid or Engineered Prefinished or Unfinished Flooring ✓ Up to 16" in width (9" for solid) ✓ Up to 3/4" thick	340 psi/ 180%-220%	Up to 15 lbs or 85% RH, 4% Tramex or 2.5% CM	Up to 85 square feet/gallon depending on trowel notch requirements	IIC 71 dB STC 65 dB (6" concrete slab w/ ceiling)	3-gallon container
	When used with "MBP clip-on" trowel					
Bona QUANTUM™ T (formerly Bona® R859) Adhesive 	Solid or Engineered Prefinished or Unfinished Flooring ✓ Up to 16" in width (9" for solid) ✓ Up to 3/4" thick	335 psi/ 250%	Up to 15 lbs or 85% RH, 4% Tramex or 2.5% CM	Up to 85 square feet/gallon depending on trowel notch requirements	IIC 70 dB STC 65 dB (6" concrete slab w/ ceiling)	4-gallon container
	When used with "MBP clip-on" trowel					
Bona R880™ Adhesive 	Great for Trim, Starter Rows, Treads, Risers, Stringers, Balusters, Vertical Applications and Wall Treatments	247 psi/ 150%	For use with glue-assist	Up to 30 linear feet/tube with a 1/4" bead	—	10.4 oz. container
Bona R850T® Adhesive 	Solid or Engineered Prefinished or Unfinished Flooring ✓ Replaces top nailing on close-out rows and board replacements ✓ Supplemental fastening on wide plank boards, stairs, treads and risers	335 psi/ 250%	For use with glue-assist	Up to 60 linear feet/tube with a 1/4" bead	—	20 oz. foil tube