

Ecore 2019 Product Performance Summary

January 2019

Conducted on a 6" Slab - No Ceiling

Product	IIC	STC	Δ IIC	NRC	Heavy Weight Impact Sound Level (dBA)			Deltec Test	
					16lb Shot (39 3/8" drop height)	35lb Kettleball (18" drop height)	100lb Plate Weight (18" drop height)	Force Reduction (%)	Energy Restitution (%)
Roster	—	—	—	—	—	—	—	19.1	62.8
Bounce 2	52	56	23	0.10	91	—	—	11.9	68.4
Basic Rolls & Tiles	51	50	22	0.10	87	93	—	10.4	71.9
Motivate	54	51	24	0.15	89	94	—	14.4	66.8
Rally	58	51	27	0.15	81	89	—	35.4	53.7
Beast	53	54	22	0.05	85	90	—	11.4	72.2
Monster	58	53	29	0.10	71	80	92	38.1	53.5
UltraTile	56	52	27	0.20	68	73	88	50.2	47.9
SmashTile	59	49	29	0.25	53	58	62	67.7	46.1
Speed & Agility Turf (8mm)	—	—	—	—	—	—	—	36.9	46.1
Speed & Agility Turf (15mm)	74	51	36	0.25	—	—	—	53.4	40.2
TurfX	—	—	—	—	—	—	—	64.4	28.4

All Testing was conducted over a 6" slab with no ceiling.

Glossary:

IIC: Impact Insulation Class (Structure-borne Sound, ASTM E492).

STC: Sound Transmission Class (Airborne Sound, ASTM E90).

Delta IIC: Effectiveness of Floor Coverings in Reducing IIC (Structure-borne Sound, ASTM E2179).

NRC: Noise Reduction Coefficient (Airborne Sound Absorption Within a Room, ASTM C423).

dBA: Common measure of how loud a sound is. Higher numbers mean louder sounds.

Contact your Ecore Athletic sales representative for more information and additional testing.

ecoreathletic.com

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