

Ecore 2020 Product Performance Summary

April 2020

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 (%)
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
Ultra-Turf Tile	70	—	36	—	—	—	—	49.6	45.2
SmashTile	59	49	29	0.25	53	58	62	67.7	46.1
dB-Turf Tile	71	—	35	—	—	—	—	68.2	44.7
Speed & Agility Turf (15mm)	74	51	36	0.25	—	—	—	53.4	40.2

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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