

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 |
| RubberX | — | — | — | — | — | — | — | 41.9 | 43.0 |

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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