

# 2023 Product Performance Summary

May 2023

## Conducted on a 6" Slab - No Ceiling

Product	IIC	STC	Δ IIC	NRC	FIS	Heavy Weight Impact Sound Level (dBA)			Deltec Test Typical Values	
						16lb Shot (39 3/8" drop height)	50lb Kettlebell (18" drop height)	100lb Kettlebell (18" drop height)	Force Reduction (%)	Energy Restitution (%)
Vinyl Rx	52	56	23	0.15	77	—	—	—	11.9	68.4
Aurora Rx	52	53	24	—	77	—	—	—	11.2	67.4
ECOsurfaces	48	51	19	0.05	—	—	—	—	2.4	75.5
ECOnights	51	50	22	0.10	—	93	93	—	10.97	67.7
ECOfit	54	51	24	0.10	—	93	93	—	14.5	66.7
ECOfit Plus	58	51	27	0.20	—	89	89	—	35.5	51.9
ECOmax 1"	56	52	27	0.20	—	83	81	90	46.3	52.1
ECOmax 2.5"	58	51	26	0.20	—	—	—	—	—	—
ECODB	59	49	29	0.25	—	62	60	65	67.7	46.1
ECOfit-Turf	—	—	—	—	—	—	—	—	30.8	46.6
ECOfit-Turf Plus	75	54	35	0.25	—	87	88	—	47.1	41.0

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)

FIS: Floor Impact Sound (Impact Sound in Room with Impact, ASTM E3133)

Contact your ECOsurfaces' sales representative for more information and additional testing.

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