

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 (%)
Vinyl Rx	52	56	23	0.15	91	—	—	11.5	72.0
Galaxy Rx	53	51	24	0.10	—	—	—	12.0	66.1
ECOsurfaces Classic	48	51	19	0.05	—	—	—	2.4	75.5
ECOnights	51	50	22	0.10	87	93	—	13.8	67.7
ECOfit	54	51	24	0.10	89	94	—	14.5	66.7
ECOfit Plus	58	51	27	0.20	81	89	—	35.5	51.9
ECOmax 1"	56	52	26	0.20	68	73	88	46.3	52.1
ECOmax 2.5"	58	51	26	0.20	—	—	—	71.0	42.7
ECOsplash	59	49	29	0.25	53	58	62	67.7	46.1
Pinnacle 2	64	51	29	0.25	—	—	—	19.1	62.8
FITturf	—	—	—	—	—	—	—	—	—
FITturf Plus	74	51	36	0.25	—	—	—	—	—

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)

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

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