

## 2022 Product Performance Summary

February 2022

### Conducted on a 6" Slab - No Ceiling

| Product          | IIC | STC | Δ IIC | NRC  | FIS | Heavy Weight Impact Sound Level (dBA) |                                      |                                       | Deltec Test<br>Typical Values |                           |
|------------------|-----|-----|-------|------|-----|---------------------------------------|--------------------------------------|---------------------------------------|-------------------------------|---------------------------|
|                  |     |     |       |      |     | 16lb Shot<br>(39 3/8" drop height)    | 50lb Kettlebell<br>(18" drop height) | 100lb Kettlebell<br>(18" drop height) | Force<br>Reduction (%)        | Energy<br>Restitution (%) |
| Vinyl Rx         | 52  | 56  | 23    | 0.15 | 77  | —                                     | —                                    | —                                     | 11.9                          | 68.4                      |
| Aurora           | 52  | 53  | 24    | —    | 77  | —                                     | —                                    | —                                     | 11.2                          | 67.4                      |
| Origins          | 46  | 53  | 19    | —    | 81  | —                                     | —                                    | —                                     | 2.4                           | 75.5                      |
| 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 | —   | —   | —     | —    | —   | —                                     | —                                    | —                                     | 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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