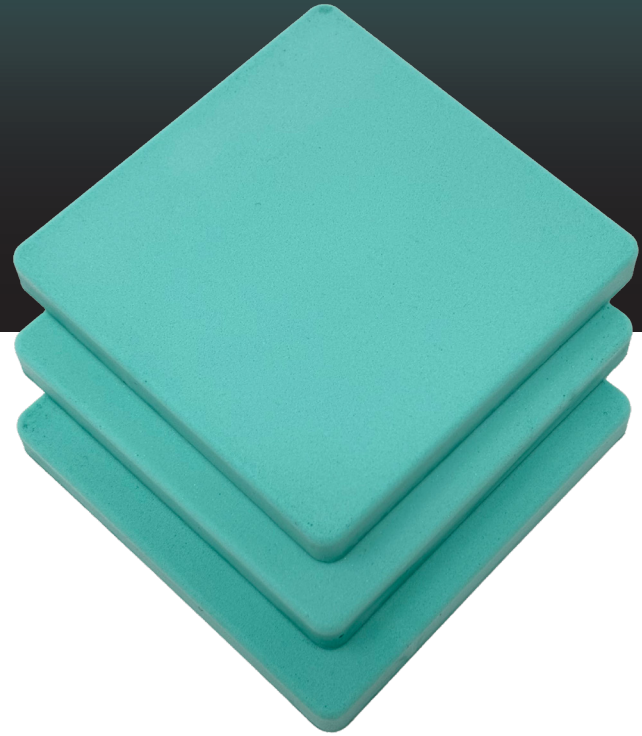


Levation™ Bio25 Light

[F89]

Levation Bio25 Light poured PU insole foam offers plush, luxurious comfort with a lower density formula than other poured PUs, ideal for casual and recreational footwear. Levation Bio25 Light is made with 25% Susterra® plant-based propanediol, improving material durability and flexibility, while reducing carbon emissions for more sustainable comfort and support.



CAPABILITIES

High durability, high shock absorption, memory foam, shape support, soft cushioning, sustainability

APPLICATIONS

3D and 2D molded (including Contoura®), dual density, drop-in midsoles



Bio-content	25% Susterra®		
Hardness	23 ± 3 Asker C		ASTM D2240-15e1, 23-2°C, 50+5% RH
Density	0.23 ± 0.03 g/cm ³		ASTM D3574-1 Test A
Tensile	AL: 6.6 kg/cm ³	AC: 6.4 kg/cm ³	ASTM D3574-17, Test E, 500+50mm/min
Elongation	AL: 197%	AC: 196%	ASTM D3574-17, Test E, Extensometer, 500+50mm/min
Tear	AL: 0.9 kg/cm	AC: 0.9 kg/cm	ASTM D374-17, Test F
Resilience	44.9%		ASTM D3574-17, Test H
Compression	17.5% at 70°C		ASTM D3574-17, Test D, deflected to 50% thickness

OPTIMIZATION

INSITE further optimizes foams using ProvenComfort™ academic-grade product testing, ensuring the right impact protection, energy return, and pressure relief for your footwear application.

SUSTAINABILITY

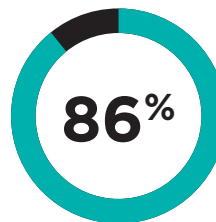
At INSITE, we innovate insole foams that maximize sustainability without sacrificing performance. Our bio-material suppliers help us reduce the amount of petroleum-based compounds in our foam, lowering our greenhouse gas emissions while improving durability and flexibility.



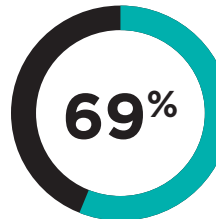
SUSTERRA®

Susterra® propanediol is made from industrial field corn grown in the United States through sustainable, regenerative farming practices. It can replace up to 60% of the fossil fuel-based polyols used to formulate PU foam. Using Susterra propanediol significantly reduces carbon emissions and non-renewable energy consumption over petroleum-based BDO. Its unique molecular structure also enhances the PU foam with greater tensile strength, elongation, and tear strength.

Susterra® is a registered trademark of Primient Covation.



Reduction in greenhouse gas emissions*



Reduction in non-renewable energy use*

*Based on a peer-reviewed 2024 life cycle assessment comparing cradle-to-gate 100% Susterra® to petroleum-based BDO.

NUVOLVE®

Nuvolve® is an enzymatic biomaterial made with beet sugars grown in Europe. It acts as a performance additive, lowering foam density and petroleum-based content while enhancing the structure of the material for more uniquely engineered cushioning properties.

Nuvolve® is a registered trademark of IFF.

