

2020

**ORTHOLITE® OPEN CELL FOAM
PRODUCT TECHNOLOGY SHEETS**

Ortholite®
comfort foam insoles

Why OrthoLite® is the Undisputed Industry Leader

OrthoLite® is the leading manufacturer and supplier of OEM and open-cell foam insole technologies for the world's leading footwear brands. As a vertically integrated U.S. company with facilities around the globe, we collaborate with our brand partners to create and produce custom insole formulations that deliver unrivaled comfort and performance. Here's how OrthoLite® innovation continues to set the standard:



Eco-Friendly

All OrthoLite® foams contain 5% recycled rubber, helping keep hundreds of tons of waste out of landfills each year.



Long-Term Cushioning

Unlike traditional foam, OrthoLite® foam compresses less than 5% over the lifetime of the product—so the cushioning, fit, comfort and performance never change.



Moisture Management

The unique open-cell structure of OrthoLite® foam creates a moisture management system, helping to move moisture away and provide a cooler, drier, healthier environment in any application.



High Level Breathability

OrthoLite® foam's open-cell PU technology is 95% to 100% breathable, allowing air to circulate in and around the foam, keeping the surrounding environment cooler.



Lightweight

OrthoLite® foams are extremely lightweight—enhancing performance with day-in, day-out airy comfort.



Washable

OrthoLite® foams are machine washable, coming out like new every time while maintaining all of the comfort and performance benefits after washing.



Antimicrobial

A patented polymer cross-linked into every OrthoLite® foam continuously resists microbe growth and provides built-in protection from fungus, bacteria and odor.

Benefits of OrthoLite®
Foam Technology:



Long-term
cushioning



Moisture
management



High level
breathability



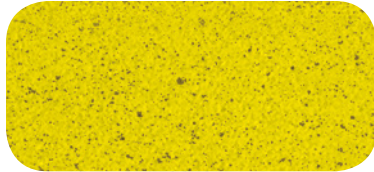
Lightweight



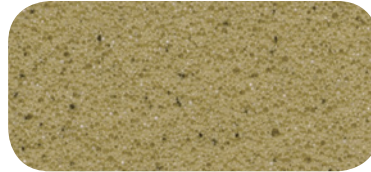
Washable



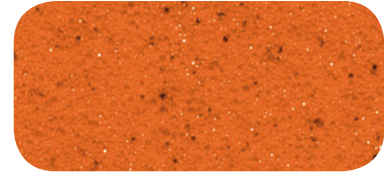
Antimicrobial



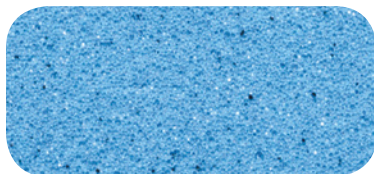
Yellow
13-0858 TPX



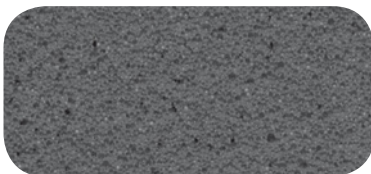
Antique Bronze
17-1028 TPX



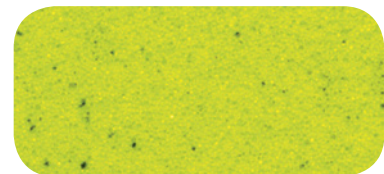
Apricot Orange
17-1353 TPX



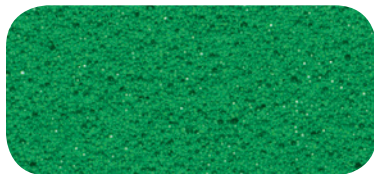
Air Blue
16-4134 TPX



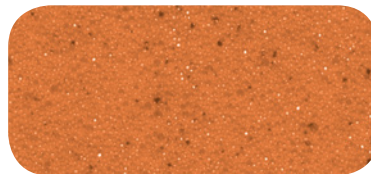
Grey
17-1501 TPX



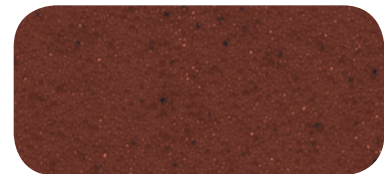
Lime Green
14-0452 TPX



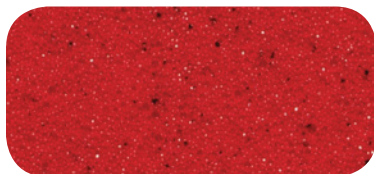
Green
16-5932 TPX



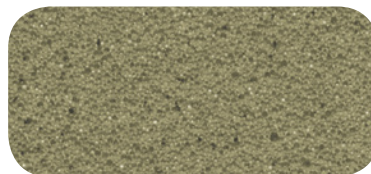
Burnt Sienna
17-1544 TPX



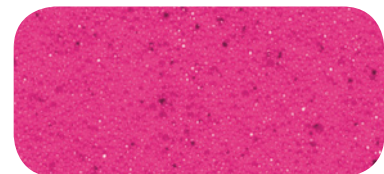
Russet Brown
19-1338 TPX



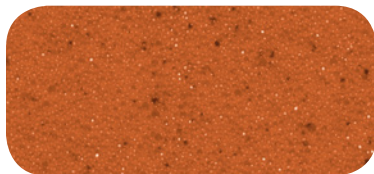
Red
19-1764 TPX



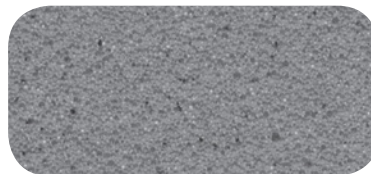
Fossil
17-0909 TPX



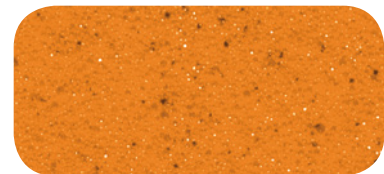
Shocking Pink
17-2127 TPX



Orange Rust
18-1447 TPX



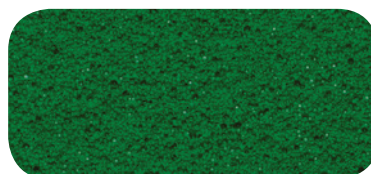
Neutral Grey
17-4402 TPX



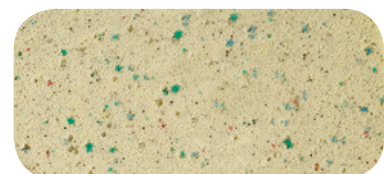
Persimmon Orange
16-1356 TPX



Brown Sugar
17-1134 TPX



Amazon
18-6024 TPX



Seedpearl Hybrid
12-0703 TPX

Not all OrthoLite® colors are available in all foam formulations. Certain colors may be subject to upcharge.



OrthoLite® Original formulations set the standard for comfort and performance.

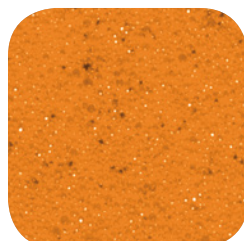
From our earliest days, we've used 5% recycled waste rubber in every insole—leading the charge toward eco-friendly products. OrthoLite® insoles can be customized to meet your exact specifications by combining formulations, densities, colors and mold designs, giving you a competitive advantage and unique comfort and performance story.

.11 Density

A formula created for footwear brands that require a high performance, low cost solution.



5°-10° Asker C*



15° Asker C*



25° Asker C*

.13 Density

The original formulation that established OrthoLite® as the industry leader.



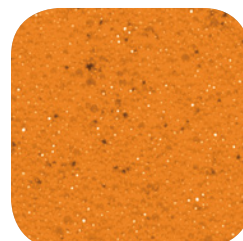
5°-10° Asker C*



15° Asker C*



25° Asker C*



35° Asker C*

.15 Density

A firmer version of our original formulation that provides added stability and support.



45° Asker C*

Thickness:
2mm-20mm

Sheet Size:
110cm x 200cm
110cm x 170cm
110cm x 147cm

Colors Available:
Variety of OrthoLite® colors
depending on the formulation

*Hardness tolerance +/- 4° Asker C



Benefits of OrthoLite® Foam Technology:



Long-term cushioning



Moisture management



High level breathability



Lightweight



Washable



Antimicrobial

Technology	Density	Hardness	Recycled Rubber	Hybrid*	Bio-Oil	Total Eco Content
OrthoLite® Originals	0.11, 0.13, 0.15D	Varies by density. See technology sheet.	5%	15%	0%	20%
OrthoLite® X25™	0.12D	20°C	5%	15%	0%	20%
OrthoLite® X35™	0.145D	25°C	5%	15%	0%	20%
OrthoLite® X40™	0.16D	25°C, 35°C	5%	15%	0%	20%
OrthoLite® X55™	0.16D	25°C	5%	15%	0%	20%
OrthoLite® R&R™	0.16D	15°C	5%	15%	0%	20%
OrthoLite® Imperial™	0.22D	25°C	5%	15%	0%	20%
OrthoLite® ImperialPlus™	0.30D	25°C, 30°C, 40°C	5%	15%	0%	20%
OrthoLite® Lazy™	0.15D	75°F	5%	15%	0%	20%
OrthoLite® X-Sorb™	0.18D	15°C	5%	15%	0%	20%
OrthoLite® UltraLite™	0.085D	5-10°C, 15°C, 25°C	5%	15%	0%	20%
OrthoLite® EcoLT™	0.11D	15°C, 25°C	5%	15%	6%	26%
OrthoLite® EcoLT™	0.13D	25°C, 35°C	5%	15%	6%	26%
OrthoLite® Eco™	0.13D	15°C, 25°C, 35°C	5%	15%	12%	32%
OrthoLite® EcoX40™	0.185D	26°C	5%	15%	12%	32%
OrthoLite® EcoPlush™	0.15D	25°C	5%	15%	25%	45%
OrthoLite® Impressions™	0.15D	70-80°F	5%	15%	50%	70%
OrthoLite® Recycled	0.19D-0.27D	29-43°C	98%**	0%	0%	98%

ORTHOLITE® ECO TECHNOLOGIES:

OrthoLite® Bio-Oil Formulations replace petroleum with oil made from castor beans—a non-food plant. With this single decision, you can up your eco content to reduce your brand's resource consumption and carbon footprint.

***OrthoLite® Hybrid™** is a patent pending formulation that uniquely blends 5% recycled rubber with 15% production waste foam offering uncompromised performance and less impact on the planet.

OrthoLite® Recycled™ is a result of our expanding commitment to the creation of more sustainable technologies that close the loop on postproduction waste material and get us closer to the end goal of ZERO waste.

**Postproduction Waste Material



Ultimate Eco-friendly Comfort & Performance

OrthoLite® Hybrid™ is a patent-pending formulation that can be used on its own or blended into other formulations to increase the eco-content. It uniquely blends 5% recycled rubber and 15% production waste foam to achieve 20% eco-content—for uncompromised performance with less impact on the planet.



PRODUCT SUMMARY

We're always pushing our innovation further—in how our products perform and how they impact the environment. Responding to the increasing demand for environmentally responsible products, OrthoLite® Hybrid™ is a true game-changing technology, whether it's used on its own or added to other formulations to up the eco-quotient. Combining recycled rubber, open-cell waste foam and virgin open-cell foam, it goes the distance and retains all the performance attributes OrthoLite® is known for—with less impact on the environment. OrthoLite® Hybrid™ means using less petroleum and less energy, while adding less to landfills. And it means all the comfort your consumers expect—with the eco-friendly features they demand.

APPLICATION

Ideal for a wide range of applications, OrthoLite® Hybrid™ provides cushioning and performance critical in insole, strobels and upper applications. The OrthoLite® Hybrid™ formulation creates a cooler, drier environment inside the footwear, so consumers can feel and perform their best. It also supports your brand's sustainability goals—giving you a great opportunity to tell your consumers why you've chosen OrthoLite®.

Formulation

Hybrid

MOQ

Standard

20% Total Eco Content

15% Production Waste Foam
5% Recycled Rubber

*Exclusively available in molded and die cut.
Not available in sheets.*



MESH 01
Completed testing and approved

Color Available:

Seedpearl Hybrid 12-0703 TPX

Hybrid

ORTHOLITE® HYBRID™ TECHNOLOGY

OrthoLite Hybrid™ Technology is available in the Seedpearl Hybrid color 12-0703 TPX. Hybrid is a recycled technology that reuses post production waste foam. Waste colors and waste pieces will vary in size, density, hardness and color.

ORTHOLITE® HYBRID™ TECHNOLOGY IS AVAILABLE IN MOST FORMULATIONS.

OrthoLite® Recycled



All OrthoLite® foams are eco-friendly containing 5% recycled rubber.

Benefits of OrthoLite® Foam Technology:



Long-term cushioning



Moisture management



High level breathability



Lightweight



Washable



Antimicrobial

Closing the Loop on Waste

OrthoLite® Recycled™ is a result of our expanding commitment to the creation of more sustainable technologies that close the loop on postproduction waste material and get us closer to the end goal of ZERO waste.

Through the creation of a new R&D center we have invested in the continued development of more sustainable solutions that optimize our supply chain from end to end by capturing and repurposing all waste material, the result is OrthoLite® Hybrid and Recycled technologies.

PRODUCT SUMMARY

Responding to the increasing demand for more environmentally responsible products, OrthoLite® Recycled™ provides our brand partners the unprecedented ability to increase the eco-content in their insoles with our recycled postproduction waste material making it easier than ever to achieve the highest eco-standards and sustainability goals.

APPLICATION

OrthoLite® Recycled™ delivers the perfect fully recycled solution for eco-friendly support, stability and under foot comfort in either a single density or dual-layer option. In a dual-layer application where a firmer base is required with softer foam on top, OrthoLite® Recycled™ delivers immediate step-in comfort while retaining all of the key attributes that OrthoLite™ is known for. OrthoLite® Recycled™ is also ideal for Strobel layers and upper applications.

Formulation

Recycled

MOQ

Standard

98%

Total Eco Content

98% Postproduction Waste Material

2% Water-based Binder

Density:

0.19-0.27g/cm³

Hardness:

29°-43° Asker C

Thickness:

2mm-20mm

*Thickness tolerance
+/- 0.3mm



MESH 01

Completed testing
and approved

Application:

In order to better support the OrthoLite® goal of closing the postproduction loop on waste material and attaining a ZERO waste policy, we will offer OrthoLite® Recycled™ exclusively as a finished diecut or finished molded product depending on the application.

Contact your OrthoLite® representative regarding molded specifications.

Colors Available:

OrthoLite® Colors*

*Color will vary due to the use of recycled postproduction waste material.



OrthoLite
Recycled



Eco-friendly Performance from Plant-based Bio-oil

OrthoLite® Bio-Oil Formulations reduce the need for petroleum-derived ingredients by using an eco-friendly, proprietary castor oil and recycled rubber formulation. For 20 years, OrthoLite® has led the industry in the innovation, development and production of environmentally friendly insoles. Starting with our very first formulation, our open-cell technology has included 5% recycled shoe rubber, which has kept thousands of tons of waste material out of landfills. OrthoLite® Bio-Oil Formulations replace petroleum with oil made from castor beans— a non-food plant. With this single decision, you can up your eco content to reduce your brand's resource consumption and carbon footprint.

OrthoLite® EcoLT™

Density & Hardness
.11D - 15° and 25° Asker C
.13D - 25° and 35° Asker C



11%
Total Eco
Content

- Combining 6% bio-oil content made from our proprietary castor oil formulation with the existing 5% recycled rubber content to deliver even more value in an eco-friendly formulation.
- Ideal for multiple eco-friendly applications where cushioning and performance are of the utmost importance including insole, strobel, and upper applications.

OrthoLite® Eco™

Density & Hardness
0.13D - 15° Asker C,
25° Asker C,
35° Asker C



17%
Total Eco
Content

- Setting the standard as the first and original eco-friendly solution with our proprietary bio-based formulation.
- Replaces 12% of petroleum with our proprietary bio-oil formulation made from castor beans combined with the existing 5% recycled rubber content makes this eco-formulation a renewable resource that reduces the shoe's carbon footprint.

OrthoLite® Impressions™

Density & Hardness:
0.15D - 70°-80° Asker F



55%
Total Eco
Content

- Slow recovery foam delivers a customized fit by taking on the shape of the foot over time.
- Formulated with 50% bio-oil from castor beans and 5% recycled rubber.
- Best used as a top layer on firmer foams, to deliver a custom layer of support for the ultimate cushioning.





Eco Technology Formulated with Bio-Oil

OrthoLite® Eco LT™ brings innovative eco-upgrades to our original .11D and .13D formulations, replacing a portion of the petroleum with plant-derived bio-oil.

PRODUCT SUMMARY

Responding to the growing demand for more eco-friendly products, OrthoLite® expands our industry-leading range of environmentally friendly products with the introduction of OrthoLite® Eco LT™.

The exclusive formulation allows you to reduce your carbon footprint while expanding your range with more eco-friendly offerings. OrthoLite® Eco LT™ combines 6% bio-oil content made from our proprietary castor oil formulation with 5% recycled rubber content—delivering an eco-friendly foam with uncompromised comfort and performance.

APPLICATION

OrthoLite® Eco LT™ is ideal for a wide range of eco-friendly applications where cushioning and performance are critical—including insole, strobelt and upper applications. True to all OrthoLite® foams, it provides a cooler, drier, healthier environment inside the shoe, with long-lasting cushioning.

Formulation

Eco LT

MOQ

Standard

11%

Total Eco Content

6% Bio-Oil

5% Recycled Rubber

Density:

.11D

Hardness:

15° and 25° Asker C

*Hardness tolerance

+/-4° Asker C

Thickness:

2mm-20mm

*Thickness tolerance

+/- 0.3mm

Sheet Size:

110cm x 200cm

110cm x 170cm

110cm x 147cm

Density:

.13D

Hardness:

25° and 35° Asker C

*Hardness tolerance

+/-4° Asker C

Thickness:

2mm-20mm

*Thickness tolerance

+/- 0.3mm

Sheet Size:

110cm x 200cm

110cm x 170cm

110cm x 147cm

Colors Available:

OrthoLite® Colors

Seedpearl Hybrid 12-0703 TPX



Eco Technology Formulated with 12% Bio-Oil

OrthoLite® Eco™ expands on our popular Eco LT™ formulation—more than doubling the bio-oil content to further reduce the use of petroleum.

PRODUCT SUMMARY

OrthoLite® Eco™ is the next evolution of our industry-leading range of environmentally friendly products—with an exclusive formulation made with 12% bio-oil content. By replacing a portion of the petroleum with plant-derived bio-oil sourced from castor beans, we're able to help you reduce your carbon footprint while providing your customers with the legendary comfort and performance of OrthoLite®.

APPLICATION

OrthoLite® Eco™ can be used in any footwear application where a more eco-friendly comfort and performance solution is wanted. This formulation is ideal for insoles, strobels and upper applications.

Formulation
Eco

MOQ
Standard

17%

Total Eco Content

12% Bio-Oil
5% Recycled Rubber

Density:

0.13g/cm³

Hardness:

15°+/-4° Asker C

25°+/-4° Asker C

35°+/-4° Asker C

Thickness:

2mm-20mm

Sheet Size:

110cm x 200cm

Colors Available:

Fairway 18-6320 TPX

Seedpearl Hybrid 12-0703 TPX

Hybrid

ORTHOLITE® HYBRID™ TECHNOLOGY

OrthoLite Hybrid™ Technology is available in the Seedpearl Hybrid color 12-0703 TPX. Hybrid is a recycled technology that reuses post production waste foam. Waste colors and waste pieces will vary in size, density, hardness and color.

ORTHOLITE® HYBRID™ TECHNOLOGY IS AVAILABLE IN MOST FORMULATIONS.



Ultra-Lightweight Comfort & Performance Insole Technology

OrthoLite® UltraLite is designed to meet the ever-increasing demand for ultra-lightweight comfort in today's active lifestyle footwear.

PRODUCT SUMMARY

This revolutionary OrthoLite® eco-formulation utilizes recycled rubber in a proprietary foam technology that achieves unprecedented lightness. OrthoLite® UltraLite was developed specifically to reduce weight without sacrificing the comfort and performance active consumers demand.

APPLICATION

Engineered to perform at optimal levels for kids and adults while on the field of play, at the gym or simply walking, OrthoLite® UltraLite is ideal for both active lifestyle and sport. The formulation provides long-term cushioning and a cooler, drier, healthier environment inside the shoe. Beyond insoles, OrthoLite® UltraLite can be used in strobel applications, quarter panel linings, tongues, heel pads and collar foam.

Formulations

UltraLite

MOQ

Standard

5%

Total Eco Content

5%

Recycled Rubber

Density:

0.085g/cm³

Hardness:

1°+/-4° Asker C
5-10°+/-4° Asker C
15°+/-4° Asker C
25°+/-4° Asker C

Thickness:

2mm-20mm

Sheet Size:

110cm x 147cm
110cm x 170cm
110cm x 200cm

Density:

0.095g/cm³

Hardness:

33°+/-4° Asker C

Thickness:

2mm-20mm

Sheet Size:

110cm x 147cm
110cm x 170cm
110cm x 200cm

Colors Available:

Red 19-1764 TPX
Green 16-5932 TPX
Antique Bronze 17-1028 TPX
Fossil 17-0909 TPX
Lime Green 14-0452 TPX
Burnt Sienna 17-1544 TPX
Yellow 13-0858 TPX
Lemon Chrome 13-0859 TPX
Seedpearl Hybrid 12-0703 TPX



High-rebound Formulations with Customized Elasticity

OrthoLite® X Series is our range of performance formulations with the highest rebound, that let you dial in the perfect elasticity for your insole application.

PRODUCT SUMMARY

Responding to the growing demand for higher levels of rebound, OrthoLite® expands upon our game-changing options with customized elasticity offerings. The range allows you to pick the precise rebound for your needs—or create a Good/Better/Best offering for your consumers. It starts with OrthoLite® X40™, that set the industry standard for high rebound performance with an elasticity rating over 40%. OrthoLite® X35™ and OrthoLite® X25™ foams achieve elasticity ratings of 35 and 25 percent.

APPLICATION

The OrthoLite® X Series is ideal for footwear used in high-impact sports or minimalist footwear. Its high levels of cushioning in thinner layers of foam also make it a great fit for dress shoes.

Formulations
X25, X35, X40

MOQ
Standard

5% Total Eco Content

5% Recycled Rubber

OrthoLite® X25™

Density:

0.12g/cm³

Hardness:

25°+/-4° Asker C

Resilience %:

≥25

Thickness:

2mm-20mm

Sheet Size:

110cm x 200cm

Color Available:

Billiard 16-5427 TPX
Seedpearl Hybrid
12-0703 TPX

OrthoLite® X35™

Density:

0.145g/cm³

Hardness:

25°+/-4° Asker C

Resilience %:

≥35

Thickness:

2mm-20mm

Sheet Size:

110cm x 200cm

Color Available:

Fossil 17-0909 TPX
Seedpearl Hybrid
12-0703 TPX

OrthoLite® X40™

Density:

0.16g/cm³

Hardness:

25°+/-4° Asker C

35°+/-4° Asker C

Resilience %:

≥40

Thickness:

2mm-20mm

Sheet Size:

110cm x 170cm

Colors Available:

Red 19-1764TPX
Billiard 16-5427 TPX
Fossil 17-0909 TPX
Castlerock 18-0201 TPX
True Blue 19-4057 TPX
Seedpearl Hybrid 12-0703 TPX



ORTHOLITE® HYBRID™ TECHNOLOGY

OrthoLite Hybrid™ Technology is available in the Seedpearl Hybrid color 12-0703 TPX. Hybrid is a recycled technology that reuses post production waste foam. Waste colors and waste pieces will vary in size, density, hardness and color.

ORTHOLITE® HYBRID™ TECHNOLOGY IS AVAILABLE IN MOST FORMULATIONS.



Another Pinnacle OrthoLite® Formulation for Maximum Rebound & Energy Return

OrthoLite® raised the bar to new heights with the launch of X40™ that set the industry standard for high-rebound comfort and performance. Now OrthoLite® takes rebound to incredible new heights with even more rebound and energy return.

PRODUCT SUMMARY

With an unprecedented 55% resiliency, OrthoLite® X55™ foam provides the ultimate wearing experience—with awe-inspiring step-in comfort and all-day energy return that sets a new standard in comfort and performance. The feeling is lively, with the immediate perception of energy, making it ideal for all footwear categories including casual and dress footwear. When used in athletic footwear, OrthoLite® X55™ gives the feeling of propulsion during high-energy sports while providing superb stability and support. Simply by upgrading into X55™, our brand partners can market products with the most energy return ever developed and experienced.

APPLICATION

OrthoLite® X55™ is engineered to enhance every wearing occasion—including casual, dress, outdoor and athletic footwear. X55™ resiliency and energy return help contribute to less foot fatigue and provides unrivaled stability, comfort and performance under all conditions from on the court, to out on the trails, or on the way to the office.

Formulation
X55

MOQ
Standard

5% Total
Eco
Content

5% Recycled
Rubber

Density:

0.16g/cm³

Hardness:

25°+/-4° Asker C

Resilience:

≥55%

Thickness:

2mm-20mm

Sheet Size:

110cm x 147cm

110cm x 170cm

Color Available:

Red 19-1764 TPX

Seedpearl Hybrid 12-0703 TPX

MESH 01

Completed testing
and approved



High-density, Ultra-cushioning Foam with Superior Rebound

OrthoLite® Imperial™ provides outstanding cushioning even in thin applications—making it the perfect choice for a wide range of uses.

PRODUCT SUMMARY

OrthoLite® Imperial™ foam brings ultra thin cushioning to new levels. Its .22 density offers high levels of cushioning and rebound in thin applications while maintaining all of the OrthoLite® comfort and performance attributes of breathability, moisture management and antimicrobial functions.

APPLICATION

OrthoLite® Imperial™ is ideal for low profile footwear and dress shoe applications requiring a lightweight, high density and very thin cushioning and support layer. This formulation works well for full insoles, strobels layers and heel pads.

Formulation

Imperial

MOQ

Standard

5%

Total Eco Content

5%

Recycled Rubber

Density:

0.22g/cm³

Hardness:

25°+/-4° Asker C

Thickness:

2mm-20mm

Sheet Size:

110cm x 100cm

Colors Available:

Blue Grass 18-5128 TPX

Seedpearl Hybrid 12-0703 TPX

Contact your OrthoLite® representative regarding molded specifications.

Hybrid

ORTHOLITE® HYBRID™ TECHNOLOGY

OrthoLite Hybrid™ Technology is available in the Seedpearl Hybrid color 12-0703 TPX. Hybrid is a recycled technology that reuses post production waste foam. Waste colors and waste pieces will vary in size, density, hardness and color.

ORTHOLITE® HYBRID™ TECHNOLOGY IS AVAILABLE IN MOST FORMULATIONS.



Optimal Rebound & Recovery Insole Technology That Supports Dynamic Movement

OrthoLite® R&R™ delivers exceptional comfort and maximum recovery—with high energy-return to restore and rejuvenate feet.

PRODUCT SUMMARY

OrthoLite® R&R™ (Rebound & Recovery) is a high-performance formulation that responds to dynamic movement with maximum energy-return that supports faster recovery. With softer properties and higher density, the unique feeling of OrthoLite® R&R™ allows tired feet to recover with less stress.

APPLICATION

OrthoLite® R&R™ provides a unique dual-layer feel in a single-density solution while also providing all day comfort and support. Delivering immediate step in comfort due to its softer feel and higher density that combine to create high energy return that allows tired feet to recover with less stress. In addition, OrthoLite® R&R™ is a great performance technology that is versatile under all conditions from simply walking to dynamic athletic movements.

Formulation

R&R

MOQ

Standard

5%

Total Eco Content

5%

Recycled Rubber

Density:

0.16g/cm³

Hardness:

5°-10°+/-4° Asker C

15°+/-4° Asker C

Thickness:

2mm-20mm

Sheet Size:

110cm x 170cm

Colors Available:

Castlerock 18-0201 TPX

Seedpearl Hybrid 12-0703 TPX



Quick-molding Foam with Instant Rebound

OrthoLite® Lazy™ gives a custom fit—quickly molding to the shape of the foot and then instantly rebounding when the foot is removed.

PRODUCT SUMMARY

OrthoLite® Lazy™ foam conforms to the foot to create a comfortable, custom fit—and rapidly rebounds to its original shape when the shoe is taken off. It gives the feeling of newness and plush, supportive comfort every time the shoe is put on.

APPLICATION

OrthoLite® Lazy™ formulation is best used as a top layer on a firmer OrthoLite® base layer. As the bottom layer cradles and supports, the OrthoLite® Lazy™ top layer creates maximum cushioning and comfort.

Formulation
Lazy

MOQ
Standard

5%

Total
Eco
Content

5% Recycled
Rubber

Slow Recovery
Return Rate:
3-5 Seconds

Density:
0.15g/cm³

Hardness:
75° Asker F

Thickness:
2mm-12mm

Sheet Size:
110cm x 170cm

Application:
Available in sheets
and die-cut.

Colors Available:
Yellow 13-0858 TPX
Seedpearl Hybrid 12-0703 TPX

Contact your OrthoLite®
representative regarding
molded specifications.

Hybrid

ORTHOLITE® HYBRID™
TECHNOLOGY

OrthoLite Hybrid™ Technology is available in the Seedpearl Hybrid color 12-0703 TPX. Hybrid is a recycled technology that reuses post production waste foam. Waste colors and waste pieces will vary in size, density, hardness and color.

ORTHOLITE® HYBRID™ TECHNOLOGY IS
AVAILABLE IN MOST FORMULATIONS.

OrthoLite® Impressions™



All OrthoLite® foams are eco-friendly containing 5% recycled rubber.

Benefits of OrthoLite® Foam Technology:



Long-term cushioning



Moisture management



High level breathability



Lightweight



Washable



Antimicrobial

Top-Layer Eco-Foam that Molds to the Foot

OrthoLite® Impressions™ provides immediate step-in comfort and molds for a truly custom fit over time.

PRODUCT SUMMARY

OrthoLite® Impressions™ makes an extremely comfortable first impression—and a lasting impression. Containing our highest percentage of bio-oil content, the exclusive formulation is specifically designed to mold to the shape of the foot over time for a truly custom fit.

APPLICATION

OrthoLite® Impressions™ is best used as a top layer on a firmer OrthoLite® base that cradles and supports for ultimate cushioning. The formulation is also ideal as lining foam—giving the whole shoe a custom-feeling fit.

Formulation
Impressions

MOQ
Standard

55% Total Eco Content

50% Bio-Oil
5% Recycled Rubber

Slow Recovery
Return Rate:
10-20 Seconds

Density:
0.15g/cm³

Hardness:
70°-80° Asker F

Thickness:
2mm-12mm

Sheet Size:
110cm x 170cm

Application:
Available in sheets and die-cut.

Colors Available:
Tawny Port 19-1725 TPX
Seedpearl Hybrid 12-0703 TPX

Contact your OrthoLite® representative regarding molded specifications.



Hybrid

ORTHOLITE® HYBRID™ TECHNOLOGY

OrthoLite Hybrid™ Technology is available in the Seedpearl Hybrid color 12-0703 TPX. Hybrid is a recycled technology that reuses post production waste foam. Waste colors and waste pieces will vary in size, density, hardness and color.

ORTHOLITE® HYBRID™ TECHNOLOGY IS AVAILABLE IN MOST FORMULATIONS.



Ultra-high Density, Impact-absorbing Foam for Superior Comfort & Protection

OrthoLite® X-Sorb™ is the highest density, lowest rebound foam ever engineered by OrthoLite®—providing outstanding shock-dampening and energy absorption. The formulation is ideal for a wide range of applications across footwear, sports and safety equipment where unequaled comfort, performance, stability and mobility are critical.

PRODUCT SUMMARY

With its extraordinarily low resiliency and high density, OrthoLite® X-Sorb™ foam deadens impact forces before they're transferred to the body. Low elongation and ultra-high tensile strength allow it to stretch and rebound—enhancing range of motion while maintaining all the signature OrthoLite® attributes. With OrthoLite® X-Sorb™, footwear can deliver superior confidence and under-foot protection, and sports equipment can enhance safety and reduce fatigue without adding bulk.

APPLICATION

OrthoLite® X-Sorb™ is perfect for any situation that requires exceptional comfort and protection from impact and vibration. In footwear, it can be used in both single- and dual-layer applications—with a softer foam on top to deliver immediate step-in comfort. For safety and sports equipment, its tensile strength and minimal weight provide protection while reducing fatigue and enhancing performance—while allowing for full range of motion.

Formulation

X-Sorb

MOQ

Standard

5% Total Eco Content

5% Recycled Rubber

Density:

0.18D

Hardness:

15°+/-4° Asker C

Compression Set:

≤5%

Resilience %:

≤8%

Thickness:

3mm-20mm

Sheet Size:

110cm x 170cm

110cm x 147cm

Application:

Available in sheets and die-cut.

Colors Available:

Grey 17-1501 TPX

Seedpearl Hybrid

12-0703 TPX

Contact your OrthoLite® representative regarding molded specifications.



Visible Technology with Step-in Comfort

OrthoLite® 3D Skive™ is a proprietary cutting technology providing a new level of comfort and performance.

PRODUCT SUMMARY

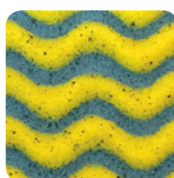
OrthoLite® 3D Skive™ features an exclusive comfort and performance design with unique cutting geometries that amplify breathability and cushioning. The design is available in a range of textures—wave, egg crate and pebble path—with 3mm peaks and valleys creating instant step-in comfort and massage-like feel while maintaining their shape over time.

OrthoLite® 3D Skive™ Heel combines wave and egg-crate cutting geometry to amplify heel cushioning. The embedded two-layer oval design uses exclusive OrthoLite® 3D Skive™ foam technology to create instant step-in comfort. This visible technology is an excellent selling feature, drawing consumers to the product.



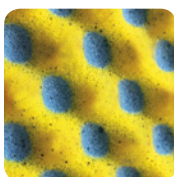
APPLICATION

OrthoLite® 3D Skive™ is the perfect solution for all day comfort—best used in a comfort, casual or dress application to provide soft underfoot stimulation. Consumers will love the underfoot feel, while enjoying a cooler, drier, healthier environment inside the shoe.



Wave:

This textured cushioning technology delivers massaging comfort. Available in both single- and dual-density.



Egg Crate:

The textured cushioning creates the sensation of walking on air. Available in both single- and dual-density.



Pebble Path:

The organic pebble pattern based in reflexology stimulates and relaxes the foot. Available in single-density.

Thickness:

5mm-7mm

Sheet Size:

33cm x 110cm

Formulations:

Due to our proprietary cutting technology, OrthoLite® 3D Skive™ is available with most all of our formulations with the exception of OrthoLite® Lazy™, OrthoLite® Impressions™, and OrthoLite® Imperial™.

Colors Available:

OrthoLite® Colors

MESHOL

Completed testing and approved



Overview

As a significant part of our marketing support, hangtags and box stickers are a valuable asset that speak to both consumers and sales associates on the unique features and benefits of OrthoLite® insoles and why they deliver superior comfort and performance.

Paper Hangtags

The paper hangtag is a single design that is hexagonal in shape inspired by the unique open cell structure in our foam and is utilized in our current brand ID reflected in our marketing materials and outlined in our current Brand Guidelines.

- The approved single color is navy blue with a gradient cell structure and tonal border design applied on the front. The back of the hangtag is the same blue as mentioned above but with a solid background and no cell structure applied, border is also tonal as on the front.
- There is one size for hangtags: 2 1/2" (63.5mm). Producing just one size reduces complexity, on-hand inventory and overall costs in addition to emphasizing OrthoLite's commitment to be a more sustainable brand partner and reducing our collective carbon footprint.

BPR Compliance

All US and EU OrthoLite Hangtags, Box Stickers and Direct Printing options are BPR compliant in their language.

Languages

English is the primary language with the international version utilizing an English/French combination. If for some reason you are in need of any additional language requirements, please contact your OrthoLite® Sales Representative.

INSOLES TAG - COMFORT FOAM INSOLES

ENGLISH



SKU# EYS0001-0031

Front

Back

INTERNATIONAL ENGLISH/FRENCH



SKU# EYS0001-0032

Front

Back

NON-INSOLES TAG - COMFORT FOAM TECHNOLOGY

ENGLISH



SKU# EYS0001-0029

Front

Back

INTERNATIONAL ENGLISH/FRENCH



SKU# EYS0001-0030

Front

Back

Box Stickers

There are two size options. Both stickers include our logo with tagline and our Eco icon. The larger sticker includes features and benefits text.

- **Option 1:** 2" x 3/4"
(50mm x 19mm)
- **Option 2:** 1 1/4" x 5/8"
(32mm x 16mm)

BOX STICKERS

OPTION 1

OrthoLite® branding with key benefits



SKU# EYS0002-0009

OPTION 2

OrthoLite® branding only



SKU# EYS0002-0008

Direct Printing

We encourage our brand partners to always consider other eco-friendly alternatives like printing directly onto packaging.

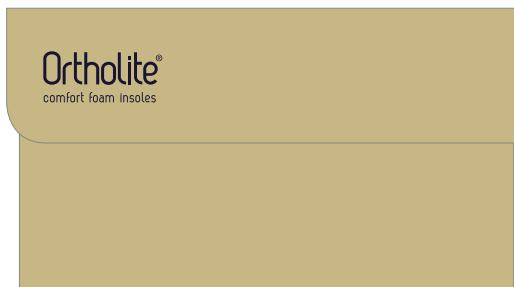
Since Direct Printing is applied in the creation and printing process of most packaging, this also provides a very efficient and cost effective way of communicating the benefits of the OrthoLite® brand.

Direct Printing is also an incredibly eco-friendly solution and an important part of our sustainability mission to reduce paper consumption, waste and our collective carbon footprint.

EXAMPLES OF CO-BRANDING WITH ORTHOLITE® USING DIRECT PRINTING

EXAMPLE 1

OrthoLite® branding printed directly on a shoe box



EXAMPLE 2

OrthoLite® branding and key features & benefits text printed directly on a shoe box



Ortholite®
comfort foam insoles

ortholite.com

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Printed on recycled paper: 30% Post Consumer Waste, ECF - Elemental Chlorine Free, FSC Certified

