"STS" – Thermal and Sound Barrier Acousticore



We help you <u>manage</u> the properties of sound and heat

RECYCLED

24 Hour Lab Turn-Around

ACOUSTICS



DECO

INSULATION

	DECO				
Interior / Exterior	0	Thermal Barrier			
Perforations (Invisible)	V E	Hot or Cold - Wet or Dry			
Honeycomb - 1/4" to 5" thick	R	Basalt / Matt or Fibers (Hydrophobic)			
Fibers & Fiber Matts (3D-shapes)	L A	Jute, Kanauf, Wood / 3-D Fiber			
Low Density Matts - Stable - Flat	Y S	Matts			
Moldable		Cotton with Aluminum Foil			
Western Red Cedar (any size/shape)	O F	Newspaper (Recycled) 2 – 17# Density / cu ft			
Rubber Sheets (Recycled/Ground Tires)	F E	3.7 R Factor Per Inch .8 NRC@ 1"			
Honeycomb (Paper, Plastic, Aluminum)	R E	Foils / Films (Adhesive Backed) Reflective & Air Flow Resistant			
Powders (Reinforce, Stiffen, Bond)	D	Extrusions (Any shape/Plastic – aluminum)			

Resistant to Mold/Fungi Extreme Water Resistance Breathable Flat or 3D Prototypes Available

Models Made

Light Weight Practical Results

CLASS "A" FIRE RETARDANT AVAILABLE

Add a Skin of Perforated Wood Veneer or Fabric
SPECIAL ADHESIVES FOR BONDING TO ANYTHING





Insulation Thermal Barriers



ES - 301

ES-402

3D Shapes, Models, Prototypes

A PRACTICAL APPROACH

Basalt Matt or Fiber

Fiber Matts - Molds to 3D Shapes
Jute. Kenaf, Wood, Coconut

Newspaper (Recycled) 2 to 17#/cu ft 3.7 R Factor per Inch .8 NRC@ 1"

Western Red Cedar

Tiles, Panels, Blocks, Veneers, Shapes

Honeycomb

1/4" to 5" thick/Paper, plastic, Aluminum

Polyester Fiber Matt ES - 500

No Off Gas / Printable 1", 2", 3", 4" Thickness Won't Mold or Mildew Does Not Absorb Water Recyclable

Energy Saver Select ES - 401

Multilayer – Foils and Cottons

Polyester-Deco Outer Layers Available

.200" (full fluff)

Spot Sonic Welded – 6 Layer

Pure Quiet Ultra-soft USA Cotton ES - 201

.100" Thick (at full loft)

Washable/Dry Cleanable

Needle Punched with thin Polypropylene Scrim

(for flatness and stability)

Polyester Fleece

.125" Thick (at full loft)
Sewable or Heat Activated
Adhesive 2 sides = Fusible
Stackable for Thicker Lay Up

Insulated Lining

Polyester Face and Back (Resists Conduction)

Inner Reflective Foil

Reflects / Radiant Energy - Needle Punched

.100" (at full loft)

Sew-able

Reflective Foil & Polyester Loft ES - 403

.125" Maximum Thickness

.005" Foil Outer Layer (1-side)

.120" Polvester "Loft"

Waterproof

Sew-able

Spot Sonic Welded

Available Services and Products:

ADHESIVES PROTOTYPE SHAPES

SAMPLES MODELS

SIZING 3D FOLD or MOLD

CLASS "A" FIRE RETARDANT AVAILABLE

All of the above can be added to Backers, Overlays, 3D Fold or Mold, Deco Layers, Wood Veneers, and Adhesives. Powder Adhesives can be applied to add rigidity (for shapes).



Thermal & Sound Barriers

Application - Innovation - Solutions

(616) 887-8257 Sales@lenderink.com www.lenderink.com





Eco Friendly. ACOUSTACORE 1 Recycled Blue Jeans/Shody
Thermal and Acoustic Standout - Class A Fire Retarded
Can be cut with Utility Knife - Lightweight - Deco Shapes
Easily Cut With CNC for Designer - Fiberglass Free



Eco Friendly AcoustaCore 1 Recycled Newspaper
Thermal and Acoustic Standout - Class A Fire Retarded
Can be cut with Utility Knife - Fiberglass Free
Easily cut with CNC for Designer - Deco Shapes



Sound Resistant ACOUSTACORE 2 Thermal Resistant Eco Friendly - Long-term Performer - Recycled & Natural Materials Fire Resistant - Mold, Fungi, Bacteria Resistant - Water Repellant Can be cut with Utility Knife - Dimensional Stability - 3D Shapes



Rigid Acoustic Sheet
Class A Fire Rating - Indoor Use - Recyclable
1/8" to 1/2" Thickness - Matt Surface - Printable
Colors Available - Thumb Tackable - Lightweight



Western Red Cedar Available in: Tiles - Panels - Blocks - Veneers - Shapes Edge Bevel - Any Thickness



Eco Friendly Jute Fiber Recycleable 3D Fold or Mold - Build Your Composite 3D Pressing at 250°F - 400°F Stackable, Tackable, Acoustic, and Deco



Pure Quiet Ultra-soft ES - 201 .100" Thick - USA Cotton - Wash/Dry Clean Needle Punched with thin Polypropylene Scrim



Polyester Fleece ES - 301
.125" Thick (at full loft) - Sewable or Heat Activated
Stackable for Thicker Lay- up
Adhesive 2 sides = Fusible



Energy Saver Select ES - 401 .200" Thick (at full fluff) - Foils and Cottons Polyester-Deco Outer Layers Available Spot Sonic Welded - 6 Layer



Insulated Lining ES - 402
.100" Thick (at full loft) - Inner Reflective Foil - Sewable Reflects Radiant Energy - Needle Punched Polyester Face and Back (Resists Conduction)



Reflective Foil & Polyester ES - 403 .125" Maximum Thickness - Waterproof - Sewable .005" Foil Outer Layer (1-side) .120" Polyester "Loft" - Spot Sonic Welded



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Eco Friendly Honeycomb Recycleable
Glass Fiber Face - Polypropylene - Water Resistant
30 Pressing at 250°F - 400°F - Thickness/variable
Extreme Strength - Excellent Flatness