Fabric-Wrapped Acoustic Wall Panels

Geometric, made-to-order acoustic panels with a ½″ recycled PET core, wrapped in Camira fabric. CSI MasterFormat Section 09 77 23, Fabric-Wrapped Panels.

MANUFACTURER

Manufacturer	Panel-Tex Shapes, a division of DFB Sales, Inc.
Manufacturing facility	21-07 Borden Avenue, Long Island City, NY 11101. Every panel is cut, wrapped and inspected to order in our own shop.
Contact	PTShapes.com · 718-475-4509 · info@ptshapes.com

PANEL CONSTRUCTION

Acoustic core	Sound Out ½″ (12 mm) polyester (PET) acoustic board, 2400 g/m² (approx. 12.5 lb/ft³ density). Made with 75% post-consumer recycled polyester, from a GRS-certified supplier.
Face fabric	Camira architectural fabric: Era, Lucia T2T or RePlay Zero 66. Fabric is stretched taut over the face and bonded at the edges and back. Era and Lucia T2T faces are left unadhered; RePlay Zero 66 is also adhered across the face.
Adhesive	3M Foam Fast 74 spray adhesive (synthetic elastomer), applied as a light coat to the back and edges of the core to bond the fabric wrap, and across the face for RePlay Zero 66 only. Heat resistance (SAFT) 170°F, per 3M.
Fabric direction	Fabric is applied in the direction it comes off the roll, so every panel in a design has a consistent nap and color.
Edges	Beveled (chamfered) edge on every panel. Custom edges available on request.
Back	Each panel carries a label with its panel number and an arrow showing the top of the panel.
Mounting	Self-adhesive mounting tabs, supplied with every panel.
Thickness	½″ (12 mm) nominal core.
Fabrication tolerance	±1/32″ on cut shape dimensions, so panels fit together as designed.
Weight	Core approx. 0.49 lb/ft² (2.4 kg/m²) before fabric.
Other	Acoustical and tackable. For interior use.

SHAPES AND SIZES

Four shape families, eighteen shape sizes. Dimensions are height × width in inches; every panel is ½″ thick. Each design uses one family; for Wedge and Hex, one size (Small, Medium or Large), so all panels in a design fit together.

Sizes are nominal and refer to the cut core. Actual dimensions are held within ±1/32″ to allow for small variations in cutting, and the wrapped fabric adds a slight amount to each edge depending on the fabric chosen.

FAMILY / SHAPE	SIZE (IN)
Block & Bar	
Block S	11 × 11
Block M	22 × 22
Bar	22 × 5.5
Double Bar	22 × 11
Wedge	
Wedge S	14 × 14
Wedge M	18 × 18
Wedge L	22 × 22
Disc	
Disc	20 diameter
Cut Disc	20 tall
Twin-Cut Disc	20 tall

FAMILY / SHAPE	SIZE (IN)
Hex, Small	
Hex S	14 × 16.17
Half Hex S	7 × 16.17
Hex, Medium	
Hex M	18 × 20.78
Half Hex M	9 × 20.78
Hex Diamond M	18 × 10.39
Hex, Large	
Hex L	22 × 25.40
Half Hex L	11 × 25.40
Hex Diamond L	22 × 12.70

CAD drawings (DWG) of every shape are available on the Resources page. 1″ panels and custom shapes are available by quotation.

ACOUSTIC PERFORMANCE

Fabric-wrapped panel	NRC 0.48*
Panel core	NRC 0.40 · SAA 0.40
Test method	ASTM C423, Type A mounting (flat against a hard surface), independent laboratory, March 2025 (panel core)

*Projected rating for the finished, fabric-wrapped panel, derived from the independently tested panel core and the added absorption of the acoustic fabric. Laboratory testing of the complete panel is in progress, and results will be published once final.

PANEL CORE, TYPE A	125	250	500	1000	2000	4000 HZ
Absorption coefficient	0.01	0.06	0.19	0.54	0.80	1.00

NRC is the average of the 250, 500, 1000 and 2000 Hz coefficients, rounded to the nearest 0.05. Mounting with the supplied tabs leaves a small air space behind the panel, which typically increases absorption. Installed results depend on the wall, the room and the area covered.

INSTALLATION AND CARE

- Install on clean, dry, sound interior walls. Self-adhesive tabs hold each panel while the adhesive sets; depending on the wall surface, a construction adhesive is also recommended.
- Install according to the printed layout supplied with every order and the Panel-Tex Shapes Installation Guide. Start at the center of the design, and keep every arrow on the panel backs pointing up.
- Cutouts and wall-to-wall conditions are cut at the factory, before wrapping, and must be shown on the shop drawings.
- Care: vacuum gently with a brush attachment. Spot clean with a diluted bleach solution after testing in an inconspicuous area. Do not soak the panel.

FIRE PERFORMANCE (SURFACE BURNING CHARACTERISTICS, ASTM E84)

COMPONENT	CLASSIFICATION	NOTES
Sound Out PET core	Class A	Flame Spread Index 0, Smoke-Developed Index 170. Bare 12 mm core, independent laboratory test.
Camira Era	Class A	Adhered and unadhered. Fabric manufacturer's test data.
Camira Lucia T2T	Class A	Adhered and unadhered. Fabric manufacturer's test data.
Camira RePlay Zero 66	Class B	Rated Class B adhered, which is how it is applied (Class A unadhered). Fabric manufacturer's test data.
3M Foam Fast 74 adhesive	Not rated	3M does not publish surface-burning (ASTM E84) data for this adhesive. Applied as a thin film; its solvents evaporate as it sets.

Fire ratings are reported for each component tested separately. The assembled panel, including fabric and adhesive, has not been tested as a single unit. Where a Class A interior finish is required, specify Era or Lucia T2T. The specifier is responsible for confirming that the selected product and fabric meet the codes and requirements that apply to the project.

FABRICS

	ERA	LUCIA T2T	REPLAY ZERO 66
Content	100% polyester	100% textile-to-textile recycled polyester	100% post-consumer recycled polyester
Weight	9½ oz/yd²	7¾ oz/yd²	11¼ oz/yd²
Abrasion (Wyzenbeek)	100,000+ double rubs	Panel fabric (not rated for upholstery)	100,000+ double rubs
Cleaning	Bleach cleanable, all three (ISO 105 E03, 1:4 bleach solution, grade 4). Cleaning code W/S.		
Certifications	OEKO-TEX Standard 100, Indoor Advantage Gold, EPD	OEKO-TEX Standard 100, Indoor Advantage Gold, EU Ecolabel	OEKO-TEX Standard 100, Indoor Advantage Gold, EU Ecolabel
Also	Lightfastness Class 4; PFAS free; California Prop 65 and AB 2998 compliant; acoustically transparent		
Colors	18	18	18

One fabric collection per design; any number of its 18 colors may be mixed. Fabric data is supplied by Camira. Fabrics outside the Panel-Tex Shapes program must be supplied, with documentation, by the specified fabric company.

ORDERING, SAMPLES AND DOCUMENTS

Lead time	Made to order; delivered in 4 to 6 weeks. Rush orders are possible on request.
Samples	Mini panel samples (one per shape family) and Camira fabric swatches. Full-size samples by request.
Warranty	30-day limited warranty covering damage in shipping. See the Panel-Tex Shapes Limited Warranty.
Available documents	CSI specification 09 77 23, CAD drawings, shop drawings, Camira fabric data sheets, sustainability statement, installation guide. Full test reports are available on request.

The information in this data sheet is provided for general product description and specification purposes. Values are nominal and based on tests of individual components; installed performance varies with the wall, mounting, room and area covered. Panel-Tex Shapes may change product specifications without notice as materials and testing are updated; confirm current data before specifying. Nothing in this data sheet creates a warranty beyond the Panel-Tex Shapes Limited Warranty. Camira, Era, Lucia, RePlay and other third-party names are trademarks of their respective owners. 3M and Foam Fast are trademarks of 3M Company. Sound Out is a brand of DFB Sales, Inc.