

# GURIT PET FOAM



**Gurit**

## GURIT PET FOAM HAS BEEN DEVELOPED TO RESPOND TO THE GROWING NEED FOR LIGHTWEIGHT STRUCTURAL MATERIALS WITH STABLE PROPERTIES.

When used in panel form, Gurit's PET structural core material, made with up to 100% recycled content, can offer a significantly lighter weight alternative to solid MDF or wood panels, without the up charge for moisture resistance.

Gurit PET is a highly adaptable, recyclable, thermoplastic sheet material with good balance of bending strength versus density, making it suitable in a wide range of lightweight structural applications.

With superior moisture resistance and insulation properties, Gurit PET panels are suitable for a variety of applications including outdoor furnishings and cabinetry, stages and elevated floors, reflective acoustic panels in performance spaces, recreational vehicle walls, office furnishings, marine interiors, and other applications where a durable light laminate is required.

- Wood replacement
- Recycled PET content
- Excellent moisture resistance
- Lower density than wood products.
- Easy to machine with woodworking tools.
- Up to 10x longer machine tool life.
- No formaldehyde content; Superior in regulated spaces.



LIGHTWEIGHT STRUCTURAL PANEL LAMINATIONS

NO MOISTURE SWELL OR DELAMINATION

FORMALDEHYDE-FREE





Physical Property	Test Standard	Metric	Imperial	Tolerance
Finished Thickness (mm)	Gurit internal mPhyethod / standard	25 mm	0.98 inch	-0.5mm/+0.5mm
Density	ISO 845	235 kg/m <sup>3</sup>	14.67 lb/ft <sup>3</sup>	±10 kg/m <sup>3</sup> / ±0.62 lb/ft <sup>3</sup>
Through Thickness Tensile Strength (Internal Bond)	ASTM D-1623 (EN319)	3.2 N/mm <sup>2</sup>	464 psi	N/A
Bending Strength	EN319	5.81 MPa	824 psi	N/A
Bending Modulus of Elasticity	EN310	143 MPa	20,740 psi	N/A
Face Screw Holding (6mm Diameter, 18mm insertion)	EN320	>460 N	>103 lbf	N/A
Edge Screw Holding (6mm Diameter, 18mm insertion)	EN320	>460 N	>103 lbf	N/A
24 Hour Swelling	EN 317	<1%	<1%	N/A
Residual Moisture Content	EN 322	None	None	N/A
Squareness	Gurit internal method / standard	X-Y<3mm	N/A	X-Y<3.0mm
Finished Length	Gurit internal method / standard	2440mm	96.0 in	+/- 2.0mm
Finished Width	Gurit internal method / standard	1220mm	48.0 in	+/- 2.0mm

## NOTICE

All property data has been generated from typical production material and does not constitute a production specification.

All advice, instruction or recommendation is given in good faith, but the selling Gurit entity (the Company) only warrants that advice in writing is given with reasonable skill and care. No further duty or responsibility is accepted by the Company. All advice is given subject to the terms and conditions of sale (the Conditions) which are available on request from the Company or may be viewed at Gurit's Website: [www.gurit.com/terms-and-conditions.aspx](http://www.gurit.com/terms-and-conditions.aspx)

The Company strongly recommends that Customers make test panels in the final process conditions and conduct appropriate testing of any goods or materials supplied by the Company prior to final use to ensure that they are suitable for the Customer's planned application. Such testing should include testing under conditions as close as possible to those to which the final component may be subjected. The Company specifically excludes any warranty of fitness for purpose of the goods other than as set out in writing by the Company. Due to the varied nature of end-use applications, the Company does, in particular, not warrant that the test panels in the final process conditions and/or the final component pass any fire standards.

The Company reserves the right to change specifications and prices without notice and Customers should satisfy themselves that information relied on by the Customer is that which is currently published by the Company on its website. Any queries may be addressed to the Technical Services Department.

Gurit is continuously reviewing and updating literature. Please ensure that you have the current version by contacting your sales contact and quoting the revision number in the bottom left-hand corner of this page.

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