

GURIT CORECELL™ M

STRUCTURAL FOAM CORE

PRODUCT DESCRIPTION

Gurit Corecell M is the high-performance foam, featuring extremely high resistance to impact, slamming and fatigue, suitable for all marine applications across all sectors. Combining high static properties, unmatched toughness, and compatibility with infusion, prepreg, SPRINT™ and wet lamination processes.

Environmental stability - High tolerance for heat and chemical exposure.

Fine cell size - Resin absorption is very low, saving both weight and cost.

Superior uniformity - Low density variation

Eliminating outgassing - Gurit Corecell eliminates the problems of foam

Compatibility - Suitable for use with all polyester, vinylester and epoxy resins

No inhibition - Gurit Corecell does not inhibit any epoxy resin curing mechanisms.

Handling - Tough and easy to machine.

Gurit Corecell M has been developed to deliver ONE product for ALL MARINE APPLICATIONS. It provides a combination of high shear strength with low density, high elongation, high temperature resistance and low resin uptake. Gurit Corecell M is the perfect choice whether your application is slamming area or superstructure, hull or deck, using hand lamination, infusion or prepreg.

If looking for reliable processing, Gurit Corecell M delivers through the benefits recognized in all Gurit Corecell products of fine cell size and unique knife-cuts giving low resin uptake in infusion processes. For prepreg, Gurit Corecell M offers high temperature resistance to allow shorter cure cycles and the confidence to process without fear of inhibition of prepreg catalysis. Where static properties are important, Gurit Corecell M delivers high shear strength at a low density.

Where dynamic performance is crucial, the high elongation delivers higher useful properties and the toughness to give impact resistance and superior fatigue performance. Gurit Corecell M is available in resin infusion format and is compatible with polyester, vinylester and epoxy resin systems. The low resin absorption characteristics of Gurit Corecell and its unique knife cut formats deliver higher performing infusions, low resin cost and low weight. Gurit's global technical team have 10 years' experience in resin infusion, hand lamination and prepreg processing and offer on-site support and structural engineering for Gurit Corecell customers. This combination makes Gurit Corecell a key part of a reliable package

INSTRUCTIONS FOR USE

General working practices apply to these products, details of which can be obtained from the Gurit Guide to Composites at www.gurit.com

HEALTH AND SAFETY

The following points must be considered:

1. Skin contact must be avoided by wearing protective gloves. Gurit recommends the use of disposable nitrile gloves for most applications. The use of barrier creams is not recommended, but to preserve skin condition a moisturizing cream should be used after washing.
2. Protective clothing should be worn when mixing, laminating or sanding. Contaminated work clothes should be thoroughly cleaned before re-use.
3. Eye protection should be worn if there is a risk of resin, hardener, solvent or dust entering the eyes. If this occurs flush the eye with water for 15 minutes, holding the eyelid open, and seek medical attention.
4. Ensure adequate ventilation in work areas. Respiratory protection should be worn if there is insufficient ventilation. Solvent vapors should not be inhaled as they can cause dizziness, headaches, loss of consciousness and can have long term health effects.
5. If the skin becomes contaminated, then the area must be immediately cleansed. The use of resin-removing cleansers is recommended. To finish, wash with soap and warm water. The use of solvents on the skin to remove resins etc must be avoided.

Washing should be part of routine practice:

- before eating or drinking
- before smoking & vaping
- before using the lavatory
- after finishing work

6. The inhalation of sanding dust should be avoided and if it settles on the skin then it should be washed off. After more extensive sanding operations a shower/bath and hair wash is advised.

Gurit produces a separate full Safety Data Sheet for all hazardous products. Please ensure that you have the correct SDS to hand for the materials you are using before commencing work.

NOTICE

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/termsand-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.

CONTACT INFORMATION

Please see local contact information at www.gurit.com

24-HOUR CHEMICAL EMERGENCY NUMBER

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