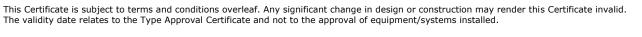


Certificate No: TAK000015Z

TYPE APPROVAL CERTIFICATE

This is to certify:	
That the Biaxial (±45°) Carbon Fibre Prepreg	
with type designation(s) SE 84LV XC - Series	
Issued to Gurit (UK) Ltd. Newport Isle Of Wight, United Kingdom is found to comply with DNV GL class programme DNVGL-CP-0431 - Type approval - Prepreg materials	
Manufacturing of FRP laminates.	
Issued at Hamburg on 2018-03-05	
	for DNV GL
This Certificate is valid until 2023-03-04 . DNV GL local station: Hamburg Materials & Welding	
Approval Engineer: Guido Michalek	Thorsten Lohmann
	Head of Section





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Job Id: **262.1-026924-1** Certificate No: **TAK000015Z**

Product description

Biaxial (±45°) hot-melt epoxy carbon fibre prepreg with curing temperatures between 80°C and 120°C and curing times between 1 hour and 12 hours (depending on curing temperature).

Approved variants

- SE84 LV XC305 - SE84 LV XC411 - SE84 LV XC611

Approved properties

Fibre Area Weight: $290 - 640 \text{ g/m}^2$ Resin Content: 35 - 45 %

Fibre Type: High Tenacity (HT)¹⁾

¹⁾ HT is the DNV GL definition according to DNV GL Class Programme CP-0096 and is comparable to Gurit's HEC definition.

Type Approval documentation

- Technical Data Sheet
- Test Report No. 6828 issued by the DNV GL approeved (Approval No. AOSS0000DHK) Testing Laboratory of Gurit (UK).
- Quality documentation

Assessed production sites

Gurit (UK) Ltd. Gurit (Spain) Ltd.

St. Cross Business Park Polígono Industrial Romica, Calle 4
Newport PO30 5WU Parcela 11C, Albacete 02080

United Kingdom Spain

Periodical assessment

A production site with a valid Approval of Manufacturer (AoM) certificate for material in question is exempted from the obligation concerning retention and renewal assessments.

For manufacturer without a valid AoM a periodical assessment after 2.5 years and at renewal after 5 years is required.

Remarks

None

END OF CERTIFICATE

Form code: TA 251 Revision: 2016-12 www.dnvgl.com Page 2 of 2