TYPE APPROVAL CERTIFICATE

Certificate no.:
TAK00001TJ
Revision No:
1

This is to certify:

that the Glass Fibre Products

with type designation(s)
Chopped Strand Mats: EMC300, EMC450, EMC600 and EMC900

issued to
Jushi Group Co., Ltd.
Tongxiang, ZHEJIANG, China

is found to comply with
DNV class programme DNV-CP-0467 – Type approval – Uni- and multi-axial multi-ply fabrics made of glass fibres
DNV rules for classification – High speed and light craft
DNV standard DNV-ST-0342 – Craft

Application:

Product description

Chopped Strand Mats: **EMC300**, **EMC450**, **EMC600** and **EMC900**

Legends:
E: E-Glass
MC: Chopped Mat
300, 450, 600, 900: Weight per unit area, g/m^2

The following indicative properties have been verified by Type Testing of laminates:

Properties	**Test Method**	**EMC300**	**EMC450**	**EMC600**	**EMC900**		
Tensile Strength	ISO 527-1,4	130.30	121.40	122.72	134.14	mean	MPa
Tensile Modulus	ISO 527-1,4	9.60	9.67	9.47	10.15	mean	GPa
Flexural Strength	ISO 14125	238.22	228.19	225.83	218.64	mean	MPa
Flexural Modulus	ISO 14125	9.79	9.62	10.07	9.24	mean	GPa
Fibre content by weight	ISO 1172	36.18 (t) 36.15 (f)	36.56 (t) 36.71 (f)	33.26 (t) 33.07 (f)	37.75 0 1 (		

Periodical assessment

The scope of the Periodical Assessment is to verify that the conditions stipulated for the Type Approval is complied with and that no alterations are made to the product design or choice of materials.

Periodical assessments (for Certificate Retention / Certificate Renewal) shall be performed according to DNV-CP-0338.

This certificate is only valid if required Periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE