



# BIRO KLASIFIKASI INDONESIA

## SERTIFIKAT PERSETUJUAN TIPE

### *Type Approval Certificate*

No. 00033.18.TP02239

No. Persetujuan : 00268TA18  
*No. of approval*

Tanggal persetujuan : 13 Desember 2017  
*Date of approval*

**Dengan ini dinyatakan** bahwa produk dibawah ini telah memenuhi dan disetujui  
*This is to certify that the following products has been complied and approved*

berdasarkan persyaratan dari Peraturan dan/atau Standard yang tercantum dibawah ini  
*in accordance with requirements of the Rules and / or Standards listed below*

Produk : **FIBER GLASS REINFORCING MATERIALS**  
*Product*

Pembuat : **JUSHI GROUP CO., LTD.**  
*Manufacturer*  
669 Wenhua Rd (S), Tongxiang Economic Development Zone, Zhejiang,  
P.R.China

Tipe produk : **EMC**  
*Type designation*

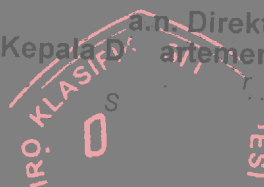
Standard persetujuan :  
*Approval standards*

Rules for Approval of Manufacturers and Service Suppliers (Pt. 1, Vol. XI)  
Rules for Non-Metallic Materials (Pt. 1, Vol. XIV)  
Guidance for The Approval and Type Approval of Materials and Equipment for Marine  
Use (Pt. I, Vol. W)

Sertifikat ini berlaku hingga tanggal yang ditetapkan di bawah dengan syarat pemeliharaan sesuai ketentuan.  
*This certificate is valid until the date specified below with the condition of maintenance in accordance with the regulations.*

Jakarta, 27 Februari 2018

**Ir. A. Had Suharso**  
a.n. Direktur Operasi  
Kepala Departemen Operasi Klasifikasi  
*in Director  
ion Operation*



**Ir. A. Had Suharso**

Jika Peraturan atau Standard yang digunakan mengalami perubahan pada saat sertifikat ini masih berlaku, maka produk harus melakukan persetujuan ulang sebelum dipasang.  
Should the specified Rules or Standards be amended or changed, the product should obtain approval again before being installed.

118094

## Ketentuan Persetujuan Approval Condition

### Deskripsi Produk

*Product Description*

EMC is chopped strand mats made from e-glass filament bonded with powder binder.

Type Designation : EMC200, EMC225, EMC300, EMC 450, EMC 600.

Mass per unit area (g/m<sup>2</sup>) : 200 225 300 450 600

### Approval condition

1. The approval is valid for the above-mentioned nominal weight range.
2. Used for manufacturing ships and component made of FRP
3. Individual certification is not required.

### Dokumentasi Persetujuan Tipe

*Type Approval Documentation*

1. Product data sheet and material safety data sheet.
2. Manufacturer Quality Manual no JS/01-QSHE-2016, Procedures, and Records.
3. Test report no. BG171213101 issued by Jushi Testing Center accepted by BKI.
4. BKI assessment report for type approval no. 02239 -TP/C1/2017

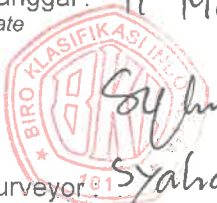
### Penandaan Produk

*Marking of Product*

The product or packing shall be marked with manufacturer's name, type designation, batch / lot number, dimension, and BKI's approval number (00268TA18)

## Lembar Pengukuhan Endorsement Sheet

Harus dikukuhkan oleh Surveyor BKI  
To be endorsed by BKI Surveyor

<p>Pemeriksaan periodik pertama (12 September 2018 s/d 12 Maret 2019) <i>First periodical surveillance (12 September 2018 till 12 March 2019)</i></p> <p>No. Laporan : <i>Report no.</i>      0390 - TP/e1/2019</p>	<p>Tanggal : 11 Maret 2019 <i>Date</i></p> <p style="text-align: center;"></p> <p>Surveyor: Syaharuddin Nur</p>
<p>Pemeriksaan periodik kedua (12 September 2019 s/d 12 Maret 2020) <i>Second periodical surveillance (12 September 2019 till 12 March 2020)</i></p> <p>No. Laporan : <i>Report no.</i></p>	<p>Tanggal : <i>Date</i></p> <p>Surveyor :</p>
<p>Pemeriksaan periodik ketiga (12 September 2020 s/d 12 Maret 2021) <i>Third periodical surveillance (12 September 2020 till 12 March 2021)</i></p> <p>No. Laporan : <i>Report no.</i></p>	<p>Tanggal : <i>Date</i></p> <p>Surveyor :</p>
<p>Pemeriksaan periodik keempat (12 September 2021 s/d 12 Maret 2022) <i>Fourth periodical surveillance (12 September 2021 till 12 March 2022)</i></p> <p>No. Laporan : <i>Report no.</i></p>	<p>Tanggal : <i>Date</i></p> <p>Surveyor :</p>

Catatan : Persetujuan akan ditangguhkan secara otomatis dan sertifikat menjadi tidak berlaku jika tidak  
*Note*      dikukuhkan setiap tahun dalam rentang waktu yang telah ditetapkan diatas.  
*The approval will be automatically suspended and the certificate become invalid if not endorsed annually within the specified period above.*

