



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 pemeriksaan periodik
This certificate remains valid until the date set below provided that periodical surveillances
dilakukan tepat waktu dan setiap perubahan atau modifikasi pada produk diberitahukan ke BKI.
are carried out on time and any alterations or modifications to the approved product notified to BKI.

Sertifikat ini berlaku sampai dengan : **12 Desember 2022**
This certificate is valid until

Jakarta, 27 Februari 2018

a.n. Direktur Operasi
Kepala Departemen Operasi Klasifikasi
Director of Department of Operation Classification
Director of Operation Classification

Ir. A. Ad Su. Iharso

Jika Peraturan atau Standard yang digunakan mengalami perubahan pada saat sertifikat ini masih berlaku, maka produk harus mengikuti persetujuan yang sebelum ditetapkan.
If the Rules or Standards used experience changes while the certificate is still valid, the product must follow the approval that was previously determined.

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/m²) : 200, 225, 300, 450, 600

Kondisi Persetujuan

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).

Pemeriksaan periodik

Periodical Surveillance

For retention of the Type Approval, a BKI Surveyor shall conduct periodical surveillance every year to verify that approved quality system, etc. of the manufacturing works are maintained satisfactorily.

The main scope of the Periodical Surveillance will normally include:

- Verification of the manufacturer's production and quality system with regard to ensure continued consistent production of the Type Approved products at the manufacturer's premises.
- Review of the Type Approval documentation and that this is still used as basis for the production
- Review of possible changes to the design, material and performance of the product
- Verification of the product marking.

Lembar Pengukuhan Endorsement Sheet

Harus dikukuhkan oleh Surveyor BKI
To be endorsed by BKI Surveyor

Pemeriksaan periodik pertama (12 September 2018 s/d 12 Maret 2019) <i>First periodical surveillance (12 September 2018 till 12 March 2019)</i> No. Laporan : <i>Report no. 0390 - TP/CI/2019</i>	Tanggal : <i>Date 11 March 2019</i>  Surveyor : <i>Syahrudin Nur</i>
Pemeriksaan periodik kedua (12 September 2019 s/d 12 Maret 2020) <i>Second periodical surveillance (12 September 2019 till 12 March 2020)</i> No. Laporan : <i>Report no.</i>	Tanggal : <i>Date</i> Surveyor :
Pemeriksaan periodik ketiga (12 September 2020 s/d 12 Maret 2021) <i>Third periodical surveillance (12 September 2020 till 12 March 2021)</i> No. Laporan : <i>Report no.</i>	Tanggal : <i>Date</i> Surveyor :
Pemeriksaan periodik keempat (12 September 2021 s/d 12 Maret 2022) <i>Fourth periodical surveillance (12 September 2021 till 12 March 2022)</i> No. Laporan : <i>Report no.</i>	Tanggal : <i>Date</i> Surveyor :

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.

