



# BIRO KLASIFIKASI INDONESIA

## SERTIFIKAT PERSETUJUAN TIPE

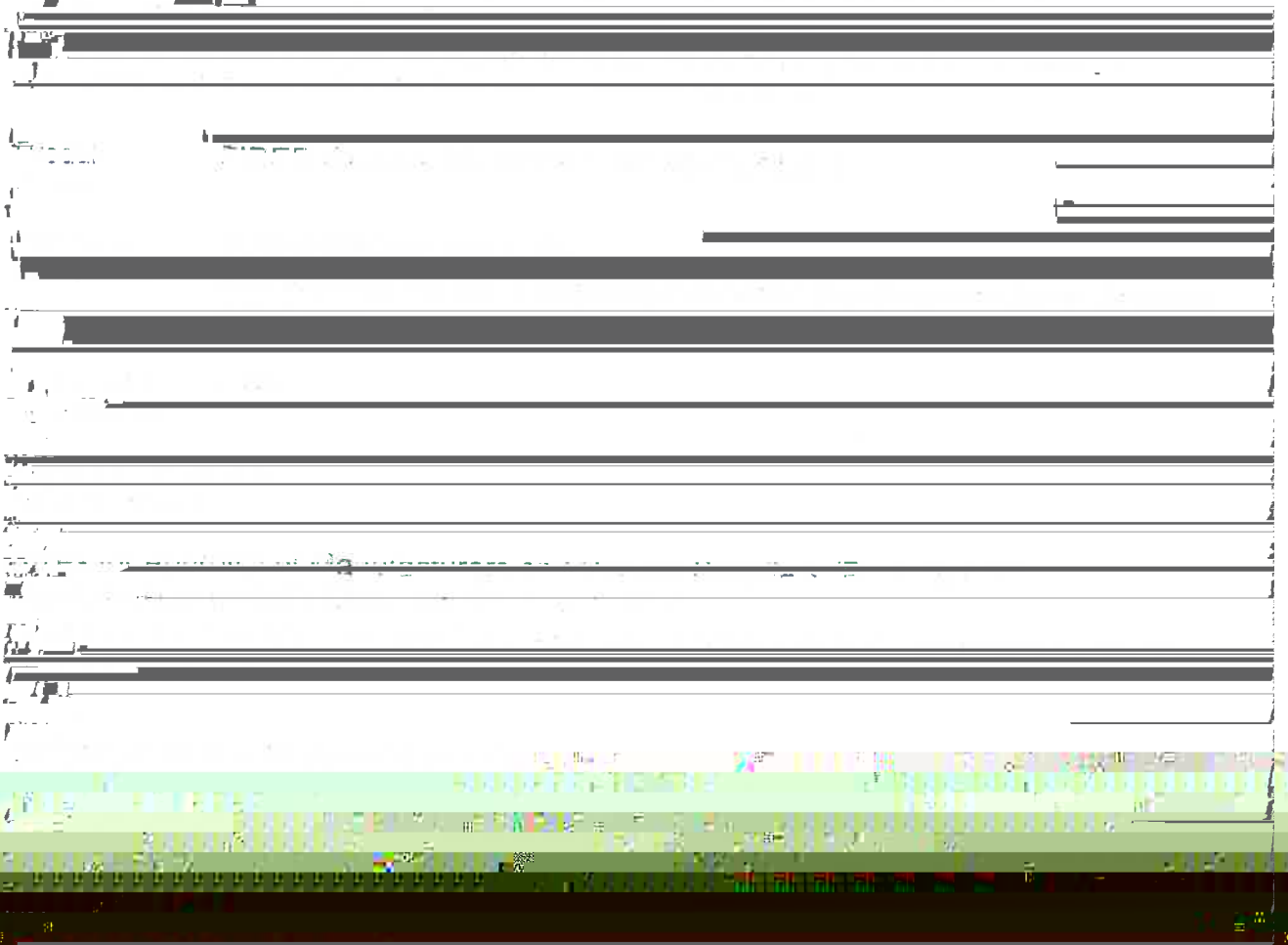
### *Type Approval Certificate*

No. 00034.18.TP02239

No. Persetujuan : 00269TA18  
*No. of approval*

Tanggal persetujuan : 13 Desember 2017  
*Date of approval*

Dengan ini dinyatakan bahwa produk dibawah ini telah memenuhi persyaratan yang ditetapkan



Jakarta, 27 Februari 2018

a.n. Direktur Operasi  
Kepala Departemen Operasi Klasifikasi  
*o.n. Operation Director*  
SVP of Classification peration

Ir. Totok Achmad Su iharso

- Jika Peraturan atau Standard yang digunakan mengalami perubahan pada saat sertifikat ini masih berlaku, maka produk harus dilakukan persetujuan ulang sebelum dipasang dikapal yang menerapkan Peraturan atau Standard tersebut.  
*Should the specified Rules or Standards be amended during the validity of this certificate, the product is to be reaproved prior to it being placed on board vessels to which the amended Rules or Standards apply.*

## Ketentuan Persetujuan

### Approval Condition

#### Product Description

EWR is bidirectional fabrics woven roving (0°/90°) made from e-glass rovings.

Type Designation : EWR 600, EWR 800.  
Mass per unit area (g/m<sup>2</sup>) : 600, 800  
Weave : Plain weave

Type Designation : EWR 500T  
Mass per unit area (g/m<sup>2</sup>) : 500  
Weave : Twill

#### 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. BG171213102 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 (00269TA18)


#### 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.

### 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 : 0390 - TP / CI / 2019 <i>Report no.</i></p>	<p>Tanggal : 11 Maret 2019 <i>Date</i></p>  <p>Surveyor: Sa' uddin</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 dikukuhkan setiap tahun dalam rentang waktu yang telah ditetapkan diatas.  
*Note: The approval will be automatically suspended and the certificate become invalid if not endorsed annually within the specified period above.*

