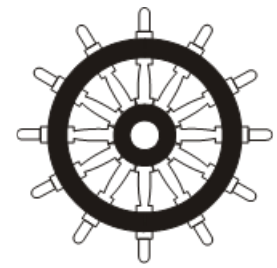




PRODUCT SHEET

r.Ocean®



Product description

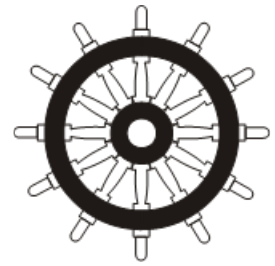
r.Ocean® is a family of products dedicated to the Marine and Offshore market. The product range includes products that come in various forms, having different densities of mineral wool used, and in variants with or without cladding. Depending on the end use, the products take the following form:

- lamella mat - **r.Ocean® LA**
- insulation lagging - **r.Ocean® PA, r.Ocean® PN**
- insulation board - **r.Ocean® BA, r.Ocean® BN**
- classic mat - **r.Ocean® MA**
- fitting - **r.Ocean® SA**

With such a wide range of products, it is possible to insulate most typical installations and technical equipment found on ships and offshore facilities. Each of the **r.Ocean®** products meets the IMO requirements specified in the Marine Equipment Directive 2014/90/EU (MED) and, with regard to fire protection, those specified in the Commission Implementing Regulation (EU) 2019/1397. Detailed properties and parameters are confirmed by the relevant certificates and approvals.

Documents and Classifications

| | |
|--|--|
| Convention regarding fire protection | SOLAS 74 Reg. II-2/3, II-2/5, II-2/6, II-2/9, X/3 (r.Ocean® LA, r.Ocean® BA, r.Ocean® MA) SOLAS 74 Reg. II-2/3, II-2/5, II-2/9, X/3, (r.Ocean® PN, r.Ocean® BN) SOLAS 74 Reg. II-2/3, II-2/5, X/3 (r.Ocean® PA, r.Ocean® SA) |
| IMO requirements regarding marine safety | IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, (r.Ocean® LA/BA/MA/PA/SA/PN/BN) IMO Msc/Circ.1120, IMO Res.MSC.307(88)-(2010 FTP Code) |
| EC Production-Quality Assurance (Module D) Certificate No. | CW/MED/2/02/2021 (r.Ocean® LA/BA/MA/PA/SA/PN/BN) |
| Declaration of Conformity No. | DoC-ola-2021 (r.Ocean® LA3/LA5/LA8) DoC-opa-2021 (r.Ocean® PA3/PA5/PA8) DoC-oba-2021 (r.Ocean® BA3/BA5/BA8) DoC-osa-2021 (r.Ocean® SA3/SA5/SA8) DoC-oma-2021 (r.Ocean® MA3/MA5/MA8) DoC-opn-2021 (r.Ocean® PN3/PN5/PN8) DoC-obn-2021 (r.Ocean® BN3/BN5/BN8) |
| Hygienic Certificate No. | AH 80/322/80/2023 (r.Ocean® LA/BA/MA/PA/SA) AH 81/322/81/2023 (r.Ocean® PN/BN) |



r.Ocean® LA (versions by density: **LA3/LA5/LA8**)

Mineral wool lamella mat with a cladding of reinforced aluminium foil.

Thickness: 20 - 100 mm, Length: 2,5 - 12 m, Density: 35 - 80 kg/m³.

Range of application

MED/3.18a – Surface finishing materials and fire-resistant floor coverings: decorative veneers

MED/3.18d – Surface finishing materials and fire-resistant floor coverings: pipeline insulation coverings

MED/3.18f – Surface finishing materials and fire-resistant floor coverings: flammable duct membrane

Certificates

| | |
|--|--|
| EU-type Examination Certificate (Module B) No. | CW/MED/2/08/2020 Annex item: MED/3.18a CW/MED/5/08/2020 Annex item: MED/3.18d CW/MED/8/08/2020 Annex item: MED/3.18f |
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| EC Production-Quality Assurance (Module D) Certificate No. | CW/MED/2/02/2021 |
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|---------------------------------------|---|
| Product Type Approval Certificate No. | TT/1318/710296/21 (Polish Register of Shipping) 68572/A0 BV (Bureau Veritas) |
|---------------------------------------|---|

r.Ocean® PA (versions by density: **PA3/PA5/PA8**)

Mineral wool lagging with a cladding of reinforced aluminium foil.

Pipe diameter: 15 - 273 mm, Thickness: 20 - 120 mm, Length: 1,2 m, Density: 35 - 80 kg/m³.

Range of application

MED/3.18d – Surface finishing materials and fire-resistant floor coverings: pipeline insulation coverings

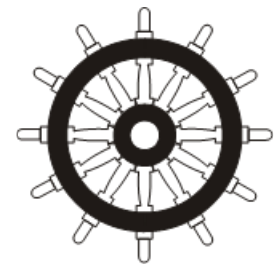
Certificates

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| EU-type Examination Certificate (Module B) No. | CW/MED/6/08/2020 Annex item: MED/3.18d |
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| EC Production-Quality Assurance (Module D) Certificate No. | CW/MED/2/02/2021 |
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| Product Type Approval Certificate No. | TT/1319/710296/21 (Polish Register of Shipping) 68572/A0 BV (Bureau Veritas) |
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r.Ocean® BA (versions by density: **BA3/BA5/BA8**)

Mineral wool insulation board with a cladding of reinforced aluminium foil.

**Thickness: 20 - 300 mm, Density: 35 – 80 kg/m³,
Length: 1,2 or 2,4 m, Width: 0,6 or 1,2 m.**

Range of application

MED/3.18a – Surface finishing materials and fire-resistant floor coverings: decorative veneers

MED/3.18f – Surface finishing materials and fire-resistant floor coverings: flammable duct membrane

Certificates

| | |
|--|---|
| EU-type Examination Certificate (Module B) No. | CW/MED/4/08/2020 Annex item: MED/3.18a CW/MED/10/08/2020 Annex item: MED/3.18f |
| EC Production-Quality Assurance (Module D) Certificate No. | CW/MED/2/02/2021 |
| Product Type Approval Certificate No. | TT/1322/710296/21 (Polish Register of Shipping) 68572/A0 BV (Bureau Veritas) |

r.Ocean® PN (versions by density: **PN3/PN5/PN8**)

Mineral wool lagging without cladding.

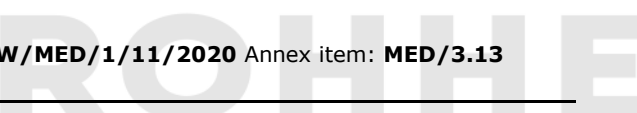
**Pipe diameter: 15 - 273 mm, Thickness: 20 - 120 mm,
Length: 1,2 m, Density: 35 – 80 kg/m³.**

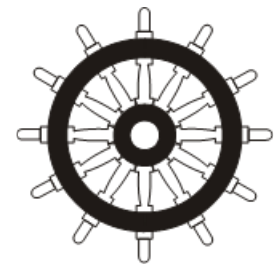
Range of application

MED/3.13 – Non-flammable materials

Certificates

| | |
|--|--|
| EU-type Examination Certificate (Module B) No. | CW/MED/1/11/2020 Annex item: MED/3.13 |
| EC Production-Quality Assurance (Module D) Certificate No. | CW/MED/2/02/2021 |
| Product Type Approval Certificate No. | TT/1320/710296/21 (Polish Register of Shipping) |





r.Ocean® BN (versions by density: **BN3/BN5/BN8**)

Mineral wool insulation board without cladding.

**Thickness: 20 - 300 mm, Density: 35 – 80 kg/m³,
Length: 1,2 or 2,4 m, Width: 0,6 or 1,2 m.**

Range of application

MED/3.13 – Non-flammable materials

Certificates

EU-type Examination
Certificate (Module B) No **CW/MED/11/08/2020** Annex item: **MED/3.13**

EC Production-Quality
Assurance (Module D)
Certificate No. **CW/MED/2/02/2021**

Product Type Approval
Certificate No. **TT/1323/710296/21** (Polish Register of Shipping)



r.Ocean® MA (versions by density: **MA3/MA5/MA8**)

Classic mineral wool mat with a cladding of reinforced aluminium foil.

**Thickness: 20 - 150 mm, Density: 35 – 80 kg/m³,
Length: 1,5 - 12 m, Width: 1,0 m.**

Range of application

MED/3.18a – Surface finishing materials and fire-resistant floor coverings: decorative veneers

MED/3.18f – Surface finishing materials and fire-resistant floor coverings: flammable duct membrane

Certificates

EU-type Examination
Certificate (Module B)
No. **CW/MED/3/08/2020** Annex item: **MED/3.18a**
CW/MED/9/08/2020 Annex item: **MED/3.18f**

EC Production-Quality
Assurance (Module D)
Certificate No. **CW/MED/2/02/2021**

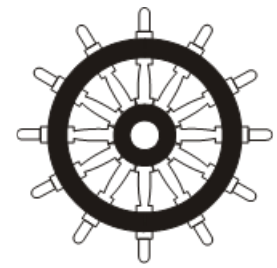
Product Type Approval
Certificate No. **TT/1321/710296/21** (Polish Register of Shipping)





PRODUCT SHEET

r.Ocean®



r.Ocean® SA (versions by density: **SA3/SA5/SA8**)

Mineral wool fitting with a cladding of reinforced aluminium foil.

**Thickness: 20 - 150 mm, Density: 35 – 80 kg/m³,
Format and shape: any.**

Range of application

MED/3.18d – Surface finishing materials and fire-resistant floor coverings: pipeline insulation coverings

Certificates

EU-type Examination
Certificate (Module B) **CW/MED/7/08/2020** Annex item: **MED/3.18d**
No.

EC Production-Quality
Assurance (Module D) **CW/MED/2/02/2021**
Certificate No.

Product Type Approval
Certificate No. **TT/1324/710296/21** (Polish Register of Shipping)

ROHHE

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