

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Glass Fibre Products**

with type designation(s)

Uni-axial; UNIE-L (250-1200 g/m²) with or without CSM (100-600 g/m²),**Uni-axial; UNIE-T (150-1000 g/m²) with or without CSM (100-600 g/m²)**

Issued to

Selcom S.r.l. a Socio Unico
Fregona, TV, Italy

is found to comply with

DNV GL class programme DNVGL-CP-0467 – Type approval – Uni- and multi-axial multi-ply fabrics made of glass fibres**DNV GL rules for classification – High speed and light craft****DNV GL standard DNVGL-ST-0342 – Craft****Det Norske Veritas' Standards for Certification No. 2.20, Lifeboats and Rescue Boats, 2007****Application :****For use in marine vessels according to stated Rules/Standards.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2018-05-28**for **DNV GL**This Certificate is valid until **2023-05-27**.DNV GL local station: **Venice**Approval Engineer: **Gisle Hersvik****Rikard Törnqvist**
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Product description

Uni-axial knitted glass fibre products;

UNIE-L (250-1200 g/m²) of 0° orientation with or without CSM (100-600 g/m²), and
UNIE-T (150-1000 g/m²) of 90° orientation with or without CSM (100-600 g/m²).

Legend:

L: Longitudinal (0°)

T: Transverse (90°)

CSM : Chopped Strand Mat

Type Approval documentation

1. Previous Type Approval Certificate No. K-5806.
2. Application for Type Approval of 2018-05-18.
3. Assessment Report from DNV GL Venice of 2017-12-11
4. Test Report 907-18 from LINSET & CO. S.r.l. of 2018-04-14, with Annexes [Vinyl ester matrix: DISTITRON VE 370 SC].
5. Email from DNV GL Venice of 2014-01-10, incl. Assessment Report of 2014-01-10 and Exova Report No. 132463 of 2014-01-10.
6. Renewal Surveys by DNV Venice of 2009-10-04 and 2009-11-03.
7. Letter from DNV Venice of 2005-10-10 including test results of 2005-08-05, 2005-05-26 and 2005-08-24, Initial Survey Report of 2005-09-30 and products data sheet.
8. Email from DNV Venice of 2005-11-25 including additional test results.

Tests carried out

Type Testing carried out in accordance with **Type Approval documentation**.

Marking of product

Product shall be marked with *manufacturer's name*: **Selcom S.r.l. a Socio Unico, Italy** and *type designation*.

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV GL Type Approval Certificate.

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 Assessment to be performed after 2 and 3.5 years (Certificate Retention) and at renewal after 5 years (Certificate Renewal).

The main elements of the Periodical Assessment are to:

- Ensure that **Type Approval documentation** is available.
- Review design, materials, production process, and performance with respect to possible changes, in order to ensure compliance with **Type Approval documentation** and/or referenced material specifications.
- Ensure traceability between manufacturer's product marking and DNV GL Type Approval Certificate.

END OF CERTIFICATE

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Glass Fibre Products**

with type designation(s)

**Bi-axial; EBX (200-2000 g/m²) with or without CSM (100-600 g/m²),
Bi-axial; EBXS (300-2000 g/m²) with or without CSM (100-600 g/m²)**

Issued to

**Selcom S.r.l. a Socio Unico
Fregona, TV, Italy**

is found to comply with

**DNV GL class programme DNVGL-CP-0467 – Type approval – Uni- and multi-axial multi-ply
fabrics made of glass fibres****DNV GL rules for classification – High speed and light craft****DNV GL standard DNVGL-ST-0342 – Craft****Det Norske Veritas' Standards for Certification No. 2.20, Lifeboats and Rescue Boats, 2007****Application :****For use in marine vessels according to stated Rules/Standards.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.**Issued at **Høvik** on **2018-05-28**for **DNV GL**This Certificate is valid until **2023-05-27**.DNV GL local station: **Venice**Approval Engineer: **Gisle Hersvik****Rikard Törnqvist
Head of Section**

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Product description

Bi-axial knitted glass fibre products;

EBX (200-2000 g/m²) of $\pm 45^\circ$ orientation with or without CSM (100-600 g/m²), and
EBXS (300-2000 g/m²) of $0^\circ/90^\circ$ orientation with or without CSM (100-600 g/m²).

Legend:

EBX: Double-bias ($\pm 45^\circ$)

EBXS: $0^\circ/90^\circ$

CSM: Copped Strand Mat

Type Approval documentation

1. Previous Type Approval Certificate No. K-5807.
2. Application for Type Approval of 2018-05-18.
3. Assessment Report from DNV GL Venice of 2017-12-11
4. Test Report 907-18 from LINSET & CO. S.r.l. of 2018-04-14, with Annexes [Vinyl ester matrix: DISTITRON VE 370 SC].
5. Email from DNV GL Venice of 2014-01-10, incl. Assessment Report of 2014-01-10 and Exova Report No. 132463 of 2014-01-10.
6. Renewal Surveys by DNV Venice of 2009-10-04 and 2009-11-03.
7. Letter from DNV Venice of 2005-10-10 including test results of 2005-08-05, 2005-05-26 and 2005-08-24, Initial Survey Report of 2005-09-30 and products data sheet.
8. Email from DNV Venice of 2005-11-25 including additional test results.

Tests carried out

Type Testing carried out in accordance with **Type Approval documentation**.

Marking of product

Product shall be marked with *manufacturer's name*: **Selcom S.r.l. a Socio Unico, Italy** and *type designation*.

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV GL Type Approval Certificate.

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 Assessment to be performed after 2 and 3.5 years (Certificate Retention) and at renewal after 5 years (Certificate Renewal).

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END OF CERTIFICATE

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Glass Fibre Products**

with type designation(s)

Tri-axial; ETXL (350-2200 g/m²) with or without CSM (100-600 g/m²),**Tri-axial; ETXT (200-2000 g/m²) with or without CSM (100-600 g/m²)**

Issued to

Selcom S.r.l. a Socio Unico
Fregona, TV, Italy

is found to comply with

DNV GL class programme DNVGL-CP-0467 – Type approval – Uni- and multi-axial multi-ply fabrics made of glass fibres**DNV GL rules for classification – High speed and light craft****DNV GL standard DNVGL-ST-0342 – Craft****Det Norske Veritas' Standards for Certification No. 2.20, Lifeboats and Rescue Boats, 2007****Application :****For use in marine vessels according to stated Rules/Standards.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2018-05-28**for **DNV GL**This Certificate is valid until **2023-05-27**.DNV GL local station: **Venice**Approval Engineer: **Gisle Hersvik****Rikard Törnqvist**
Head of Section

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Product description

Tri-axial knitted glass fibre products;

ETXL (350-2200 g/m²) of 0°/+45°/-45° orientation with or without CSM (100-600 g/m²), and
ETXT (200-2000 g/m²) of +45°/90°/-45° orientation with or without CSM (100-600 g/m²).

Legend:

ETXL: 0°/+45°/-45°

ETXT: +45°/90°/-45°

CSM: Chopped Strand Mat

Type Approval documentation

1. Previous Type Approval Certificate No. K-5808.
2. Application for Type Approval of 2018-05-18.
3. Assessment Report from DNV GL Venice of 2017-12-11
4. Test Report 907-18 from LINSET & CO. S.r.l. of 2018-04-14, with Annexes [Vinyl ester matrix: DISTITRON VE 370 SC].
5. Email from DNV GL Venice of 2014-01-10, incl. Assessment Report of 2014-01-10 and Exova Report No. 132463 of 2014-01-10.
6. Renewal Surveys by DNV Venice of 2009-10-04 and 2009-11-03.
7. Letter from DNV Venice of 2005-10-10 including test results of 2005-08-05, 2005-05-26 and 2005-08-24, Initial Survey Report of 2005-09-30 and products data sheet.
8. Email from DNV Venice of 2005-11-25 including additional test results.

Tests carried out

Type Testing carried out in accordance with **Type Approval documentation**.

Marking of product

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Periodical assessment

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END OF CERTIFICATE

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Glass Fibre Products**

with type designation(s)

Quadri-axial; EQX (400-3500 g/m²) with or without CSM (100-600 g/m²)

Issued to

**Selcom S.r.l. a Socio Unico
Fregona, TV, Italy**

is found to comply with

DNV GL class programme DNVGL-CP-0467 – Type approval – Uni- and multi-axial multi-ply fabrics made of glass fibres**DNV GL rules for classification – High speed and light craft****DNV GL standard DNVGL-ST-0342 – Craft****Det Norske Veritas' Standards for Certification No. 2.20, Lifeboats and Rescue Boats, 2007****Application :****For use in marine vessels according to stated Rules/Standards.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2018-05-28**for **DNV GL**This Certificate is valid until **2023-05-27**.DNV GL local station: **Venice**Approval Engineer: **Gisle Hersvik****Rikard Törnqvist
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Product description

Quadri-axial knitted glass fibre products;

EQX (400-3500 g/m²) of 0°/+45°/90°/-45° orientation with or without CSM (100-600 g/m²).

Legend:

EQX: 0°/+45°/90°/-45°

CSM: Chopped Strand Mat

Type Approval documentation

1. Previous Type Approval Certificate No. K-5809.
2. Application for Type Approval of 2018-05-18.
3. Assessment Report from DNV GL Venice of 2017-12-11
4. Test Report 907-18 from LINSET & CO. S.r.l. of 2018-04-14, with Annexes [Vinyl ester matrix: DISTITRON VE 370 SC].
5. Email from DNV GL Venice of 2014-01-10, incl. Assessment Report of 2014-01-10 and Exova Report No. 132463 of 2014-01-10.
6. Renewal Surveys by DNV Venice of 2009-10-04 and 2009-11-03.
7. Letter from DNV Venice of 2005-10-10 including test results of 2005-08-05, 2005-05-26 and 2005-08-24, Initial Survey Report of 2005-09-30 and products data sheet.
8. Email from DNV Venice of 2005-11-25 including additional test results.

Tests carried out

Type Testing carried out in accordance with **Type Approval documentation**.

Marking of product

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END OF CERTIFICATE