

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAK000004H
Revision No:
4

This is to certify:
that the Wood Products

with type designation(s)
Koskisen coated plywood for linings:
KoskiForm,
KoskiFutura,
KoskiShip and
KoskiBond

issued to
Koskisen Oyj
Järvelä, Finland

is found to comply with
DNV class programme DNV-CP-0098 – Type approval – Plywood

Application:

Lining material in ships, e.g. cargohold linings, wear resistant surfaces, and fishing boat linings, hygienic and easy to clean surfaces. The plywood material is not tested to Low Ignitability and Low Flame Spread characteristics and is therefore not to be installed in areas where such documentation is required.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2023-12-14**

for **DNV**

This Certificate is valid until **2025-01-12**.

DNV local unit: **Finland FiS**

Approval Engineer: **Gisle Hersvik**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Koskisen coated plywood for linings.

— Coated with hard wearing film overlay with a smooth surface.

The approval covers the following types:

- **KoskiForm,**
- **KoskiFutura (Smooth, GRP, ABS Smooth, HPL),**
- **KoskiShip** and
- **KoskiBond**

Application/Limitation

For use as lining material in ships, e.g. cargo hold linings, wear resistant surfaces, and fishing boat linings, hygienic and easy to clean surfaces. Hygienic: EU Directive 2002/178/EC on traceability of materials and devices in food – contact.

Low Ignitability and Low Flame Spread properties have not been documented for the **Koskisen coated plywood for linings** and the plywood material is therefore intended for use in areas without fire technical requirements.

If the plywood material shall be installed in areas where there are requirements to Low Ignitability and Low Flame Spread, additional documentation is required covering these requirements.

Quality Control contract between Finitrol Oy, Finland and Koskisen Oy to be maintained.

Any significant changes in design and / or quality of the material will render the approval invalid.

Type Approval documentation

1. Brochure: KoskiFutura HPL.
2. Application for Type Approval of 2023-12-07.
3. Assessment Report and Descriptive Report from DNV GL Helsinki of 2019-10-18/2019-10-25.
4. Technical Data Sheets for all plywood types:
 - KoskiForm, KoskiFutura Smooth, KoskiFutura ABS Smooth, KoskiFutura GRP, KoskiShip and KoskiBond.
5. Finitrol QC Agreement and ISO 9001 Certificate.
6. Application for Type Approval of 2019-10-19.
7. Assessment Report and Descriptive Report from DNV GL Helsinki of 2015-11-04.
8. Application for Type Approval of 2015-11-04.
9. Finitrol Oy's CoC of the Factory Production Control.
10. Technical Data Sheets:
 - KoskiForm and KoskiFutura
11. Quality Control agreement between Finitrol Oy, Finland and Koskisen Oy.
12. Letter from Koskisen Oy of 2013-06-03.
13. Survey Report Checklist from DNV Helsinki of 2011-04-19.
14. Survey Report No. HEL-11-1088 from DNV Helsinki of 2011-04-19.
15. Statement No. HEL-11-1087 from DNV Helsinki of 2011-05-31,
16. Letter from DNV Helsinki of 1999-07-14, including test results and product specifications/brochures.

Tests carried out

As per Quality Control contract with Finitrol Oy, Finland.

Marking of product

Package shall be marked with manufacturer's name: **Koskisen Oy, Järvelä, Finland** 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 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.



Job ID: **262.1-011823-5**
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Periodical assessments (for Certificate Retention / Certificate Renewal) shall be performed according to DNV-CP-0338.

This certificate is only valid if required Periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE