



# DET NORSKE VERITAS TYPE APPROVAL CERTIFICATE

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**CERTIFICATE NO. K-2032**

This Certificate consists of 2 pages

*This is to certify that the*

**Polyester Resins**

332.20

*with type designation(s)*

**ENDURTM K 530 with the following variants; K 530, K  
530 TB and K 530 TE**

*Manufactured by*

**Ashland Finland Oy**

**Porvoo, Finland**

*is found to comply with*

Det Norske Veritas' Rules for Classification of High Speed and Light Craft, Grade 1  
Det Norske Veritas' Tentative Rules for Certification and Classification of Boats 1997,  
Grade 1  
Nordic Boat Standard 1990, Grade 1

*Application*

For use in marine vessels according to stated Rules/Standards.

*Place and date*  
Hřrvik, 2001-06-11  
*for Det Norske Veritas AS*

*This Certificate is valid until*  
2005-12-31

John Olav Nřkleby  
*Head of Section*

*Local Office*  
DNV Helsinki

Gisle Hersvik  
*Surveyor*

## Product description

ENDUR™ K 530; Isophthalic polyester resin series with the following variants;

K 530 non-accelerated, non-thixotropic, short geltime

K 530 TB pre-accelerated, thixotropic, medium geltime

K 530 TE pre-accelerated, thixotropic, short geltime

## Type Approval documentation

### Tests carried out

Type Testing as per **Type Approval documentation**.

### Marking of product

Product shall be marked with *manufacturer's name*: **Ashland Finland Oy, Porvoo** and *type designation*.

### Certificate Retention Survey

The scope of the Retention/Renewal Survey 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.

Survey to be performed after two (2) years (Certificate Retention Survey) and at renewal after four (4) years (Certificate Renewal Survey).

The main elements of the survey are:

- 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 the DNV Type Approval Certificate.

END OF CERTIFICATE

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**Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.**

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.