



DET NORSKE VERITAS TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. K-2877

This Certificate consists of 2 pages

This is to certify that the

Polyester Resins

332.20

with type designation(s)

**AROPOLTM 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
Høvik, 2006-05-08
for Det Norske Veritas AS

This Certificate is valid until
2009-12-31

John Olav Nøkleby
Head of Section

Local Office
DNV Helsinki

Gisle Hersvik
Surveyor

Product description

AROPOLTM 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 carried out according to **Type Approval documentation**.

Marking of product

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

Certificate Retention/Renewal 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

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.