Certificate no.:
TAK00002RG

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Polyester Resins

with type designation(s)
LERPOL 5288 TAE

issued to
LAVESAN SRL
Brentonico, TN, Italy

is found to comply with
DNV class programme DNV-CP-0083 – Type approval – Polyester resin, vinylester resin, gelcoat and topcoat
DNV rules for classification – High speed and light craft
DNV standard DNV-ST-0342 – Craft

Application:

Grade 1 resin for use in marine vessels in accordance with stated Rules/Standards.

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

Issued at **Hamburg** on **2026-04-10**
This Certificate is valid until **2031-04-09**.
DNV local unit: **Italy/Malta CMC**

for **DNV**

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 USD 300 000.

Product description

LERPOL 5288 TAE, an unsaturated polyester isophthalic resin, pre-accelerated and thixotropic, for hand lay-up and spray-up applications.

Approved variants

	LERPOL 5288 TAE1	LERPOL 5288 TAE3	LERPOL 5288 TAE4
Gel time [minutes]	24±2	35±3	11±2

The following properties have been verified by Type Testing of cured resin:

Property	Test Method	LERPOL 5288 TAE1		
Fracture Elongation	ISO 527-1,2	3,0	%	msv
Tensile Strength	ISO 527-1,2	59,0	MPa	mean
Water Absorption	ISO 62, Method 1	53,6	mg	mean
HDT	ISO 75-2, Method A	83,2	ºC	mean
Tg (TG2 midpoint)	ISO 11357-2	109,1	ºC	msv
Barcol Hardness	ASTM D2583	36	-	msv
Density	ISO 1183-1, Method A	1,086	g/cm^3	msv
Curing procedure used for Type Testing		24 hrs at room temperature, plus 16 hrs at 50ºC		

Legends:
mean: mean of Type Test results.
msv: manufacturer's specified value, verified to be within ± 10% of mean of Type Test results.

Place of manufacture

LAVESAN SRL, Loc. Lavesan 12, 38060 Brentonico (TN), Italy

Application/Limitation

The approval covers the variants as listed above.

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

Type Approval documentation

Tests carried out

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

Marking of product

Product shall be marked with *manufacturer's name and address:* **LAVESAN SRL, 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 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 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