Certificate No: LR2495396ALP
Issue Date: 03/07/2023
Expiry Date: 02/07/2028

Certificate Of Approval Of A Polyester Resin

Manufacturer	**Scott Bader Middle East**
Address	Po Box 16785, Dubai, United Arab Emirates
Product	**CRYSTIC, 406E PA**
Type	Orthophthalic Polyester Resin
Resin	406E PA
Application	Laminating Resin
Characteristics	Pre-accelerated, Thixotropic
Applicable LR Rules	Lloyd's Register Rules for the Manufacture, Testing and Certification of Materials

Heat deflection temperatures:
Cast resin: 51.6°C
Glass laminate: 70.4 °C

406E PA and its variants are **restricted for use to 50°C**. For temperatures above this, a suitable post cure schedule shall be established, in collaboration with the supplier, and shall be agreed by LLoyd's Register TSO prior to use on an LR Classed vessel.

see page 2 for list of approved variants

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Linda Starink

Non-Metallics & Coatings Team - Lead
Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Approved Variants	CRYSTIC 406ENA	Pre-accelerated, Thixotropic, non-accelerated version
	CRYSTIC 406EPA (AD) specific version	Pre-accelerated, Thixotropic, Sprayable, customer
	CRYSTIC 406EPA (CS) specific version	Pre-accelerated, Thixotropic, Sprayable, customer
	CRYSTIC 446PA	Pre-accelerated, sprayable, shorter geltime version

This certificate is issued to the manufacturer named above. The resin described has been examined in accordance with the requirements of Lloyd's Register and is approved for use in constructions built under Lloyd's Register survey.

This approval is subject to Lloyd's Register being informed of any changes in or modifications to the resin being used in accordance with the manufacturer's instructions and the relevant requirements of Lloyd's Registers Rules and Regulations.

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