Certificate No: LR26189844IC
Issue Date: 01/04/2026
Expiry Date: 31/03/2031

Recognised abrasion resistant ice coating

The coating system below is recognised as an abrasion resistant ice coating for ships operating in polar regions, the classification of which is noted below.

The coating system is considered as meeting the requirements of 'effective protection' and 'special surface coating', as defined in applicable LR Rules and Regulations and / or Finnish-Swedish Ice Class Rules / Trafi Regulations, for vessels with applicable Polar Class or Ice Class notations.

The use and applicability of such coating systems, as designated by this certificate, may be considered when applying the relevant Rules criteria, for construction and service conditions.

Manufacturer PPG Coatings (Kunshan) Co., Ltd.

Address	53 Jin Yang road, Mail Box no. 218, Kunshan, Jiangsu 215331, China
Product	**SIGMASHIELD 1200**
Ice Classification	PC6 to PC7 & 1A Super to 1A
Product Colours	Black; Yellow; Redbrown; Light Grey; White; Green; Red
Film Thickness	Minimum 400µm
Surface Cleanliness	Minimum ISO 8501-1 SA2½
Surface Profile	50 - 100 µm

The recognition is subject to Lloyd's Register being informed of any changes in and modifications to the product's formulation or specification and the product being used in accordance with the manufacturer's technical datasheets, training and advice, and with the relevant requirements of Lloyd's Register's Rules and Regulations.

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Igor Prudenti

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

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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