



Certificate No: TO.DEB.20-2859

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This Certificate consists of 3 pages.

This is to certify that the

WATER-BASED ACRYLIC THERMAL INSULATION

With type designations

ISOLLAT-02

Manufactured by

SPECIAL TECHNOLOGIES LLC.

Is found to comply with

"IMO 2010 FTP Code July 2012".

Application : Surface materials and floor coverings with flame- spread characteristics, paint.

Design : Special Technologies LLC.

Sizes : See Appendix I

Address of Manufacturer : 39/35, Chapaev Str., 623704, Berezovskiy, Sverdlovsk Region -Russia

Place and date : İSTANBUL, 29.03.2021

Subject to the conditions referred to in the following pages, this certificate is valid until 28.03.2026.

Emrah SÖĞÜTÇÜ
New Building Division Manager



Product description : Water-Based Acrylic Thermal Insulation

Type Designation : ISOLLAT-02, See Appendix I

Materials used : To be referred to the approved drawing dated 17.02.2021.

Application/ Limitation (Approval conditions):

- The material is used at external and internal building and repair as the basic and auxiliary finishing materials, and also for protection of metal surfaces against corrosion.
- When required, depending on the thickness of the are used is not exceed the 45 MJ/m² value in accordance with ISO 1716.
- Requirements for the type of product surface lining in the certificate to be issued are to be as follows:

Restriction on the use of combustible materials is to be in accordance with TL Rules

Chapter 1 - Hull - Section 21- B item 13.2 and C. item 9.2.

SOLAS 74 Convention,as amended, Chapter II-2 Reg.3, Reg 5, Reg 6 and Chapter X Reg.3.

IMO 2010 FTP Code Res. 307(88) Annex I- Part 5 and Part 2.

IMO Resolution MSC.97(73) (2000 HSC Code) 7.

Documentation: To be referred to the approved drawing dated 17.02.2021 with
Ref: PAE-EPAS/008680/20-2859/HM.

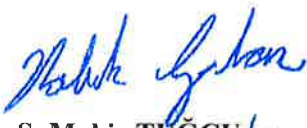
Test carried out (and results) : The following Low Flame Spread Characteristic and Smoke and Toxicity Tests were performed by TSE and were found satisfactory.
Test Report according to IMO Res.MSC.307(88)-(2010 FTP Code) as amended [part-2,part-5], form TSE 502783 and TSE 502769 on dated 28.11.2019.

Type: ISOLLAT-02 ,
TSE 12-19, TSE Accreditation Nr:AB- 0001-T

Place of test carried out : Headship of TSE Test and Calibration Center Construction Materials Fire and Acoustics Laboratory- İSTANBUL

Marking of product: The product to be marked same as below mentioned.

Maker's name or trade mark, serial number of the units, equipment type or model identification, capacity, pressure, power.



S. Mahir TUĞCU
Surveyor

This certificate is subject to terms and conditions described below:

- Any significant change in design or construction may render this Certificate invalid. Type Approval Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to the equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.



TÜRK LOYDU

APPENDIX I

CHARACTERISTIC	VALUE
TYPE	Water-based acrylic coating
COLOR	White with possibility of light colored
APPARENT VISCOSITY	54 000-80 000 sP (Rotor R4, 10 rpm)
DRY FILM WEIGHT	0,15 kg/m ² at 0.5 mm
SOLAR LIGHT REFLECTIVITY	0.8
AVERAGE DRY FILM THICKNESS	0.5 mm per coat
CONSUMPTION OF ONE LAYER	0.55 liter/m ² per one layer
NUMBER OF COATS	no less than 2
APPLICATION METHOD	Airless sprayer for high-viscous paints ; brush; airbrush
COMPLETE CURING TIME AT 20°C	20 hours
CONTAINER	Approx. 11.5 kg (19 liters)
SHELF LIFE	1 year from production date when stored indoors in unopened, or original containers at 5 to 20°C

S. Mahir Tuğcu
S. Mahir TUĞCU for.
 Surveyor