



Certificate no.:
TAF0000043
Revision No:
2

This is to certify:

that the Surface Material of Low Flame Spread

with type designation(s)

Chemetal decorative veneers

issued to

Chemetal, Inc.

Easthampton, MA, USA

is found to comply with

DNV offshore standards

DNV rules for classification – Ships

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021

Application:

Low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

This certificate is recognized by Transport Canada.

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

Issued at **Høvik** on **2025-08-20**

This Certificate is valid until **2030-08-19**. DNV

for **DNV**

local unit: **New York**

Approval Engineer: **Timo Linn**

Job ID: **262.1-011526-5**
Certificate no.: **TAF0000043**
Revision No: **2**

Product description

'Chemetal decorative veneers'

This certificate covers the following three (3) variants:

1. Homapal High Pressure Metallic Laminates: #200 series, 315, 317, 318, 340, #700 series.
Composed of copper or aluminium foil with a thickness of 0.05 mm attached to a high-pressure laminate (HPL) with a thickness of 1.04 mm. The surface is sealed with an 0.005 mm thick transparent layer of UV lacquer type 'RD1383' (manufactured by R&D coatings Inc.).

Total product thickness: 1.09 mm.
Density: 0.002 g/mm³.

2. Pure metal (aluminium, brass, copper) with UV lacquer: #100~103, 303, 304, 306, 310, 314, 325, 335, 337, 338, 346, 349, 350, 352, 354, #400 series, #500 series.
Composed of pure aluminium, bright aluminium or bright brass aluminium metal sheet. The surface is sealed with an 0.005 mm thick transparent layer of UV lacquer type 'RD1383' (manufactured by R&D coatings Inc.).

Total product thickness: 0.51 mm - 0.81 mm.
Density: 0.0014 - 0.0027 g/mm³.

3. Pure metal: #800 series, #900 series
Composed of pure aluminium, brass or copper metal sheets.

Application/Limitation

Approved for use as low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

The products may be applied to any metallic and non-combustible base if the product would not need any adhesive or combustible material layer.

If an adhesive is used to bond this product to its base, testing of the total combination of this product applied to its base in accordance with IMO FTP Code part 5 and 2 is required.

If a combustible layer is applied to the product, the total combination of this product with this layer in accordance with IMO FTP Code part 5 and 2 is required.

Approved colours for the three (3) variants:

1. Homapal High Pressure Metallic Laminates: #200 series, 315, 317, 318, 340
Approved colour (tested colour #317 – Aurora): Brown Max.
organic content: 98%

2. Pure metal (aluminium, brass, copper) with UV lacquer: #100~103, 303, 304, 306, 310, 314, 325, 335, 337, 338, 346, 349, 350, 352, 354, #400 series, #500 series, #700 series.
Approved colour (tested colour #414 – Nomadic and #702 – Brushed Aluminium): Silver/Brown
Max. organic content: 98%

3. Pure metal: #800 series, #900 series:
Approved colour: The metal colours of aluminium, brass or copper.

Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.2.

Each product or series are to be supplied with its manual for installation/application and maintenance.



Type Approval documentation

Test report No. 100-5907-1 Rev.1 dated 09 January 2019 from VTEC laboratories Inc., New York, USA.

Test report No. 100-5907-2 Rev.1 dated 09 January 2019 from VTEC laboratories Inc., New York, USA.

Test report No. 100-5907-3 Rev.1 dated 09 January 2019 from VTEC laboratories Inc., New York, USA.

Test report No. 100-5907-4 Rev.1 dated 09 January 2019 from VTEC laboratories Inc., New York, USA.

Test report No. 100-5907-5 Rev.1 dated 09 January 2019 from VTEC laboratories Inc., New York, USA.

Test report No. 100-5907-6 Rev.1 dated 09 January 2019 from VTEC laboratories Inc., New York, USA.

Form code: TA 251

Revision: 2024-11

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Tests carried out

Tested according to IMO 2010 FTP Code Parts 5 and 2.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation and fire-technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP14612)", DNV confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Periodical assessment

DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Program DNV-CP-0338, Section 4

Manufactured by:

Chemetal, Inc., 39 Oneil St. Easthampton, MA 01027, USA

