



IndiaMarine™



IRCLASS
Indian Register of Shipping





Indigatech

Indigatech is a trusted Steel Fire Door manufacturing company providing fire and marine doors designed to ensure safety and security across diverse environment. We pride ourselves as a ISO, IRC certified, UL Fire Rated door manufacturer in India. Equipped with world-class technology, Indigatech has carved out a niche role in the industry with advanced R&D and manufacturing facility of 55000 sq ft in Bangalore, Karnataka.

Fire-Rated Doors:

Our fire-rated doors are meticulously crafted to withstand the harshest conditions. From commercial buildings and industrial facilities to residential spaces, our doors offer robust protection against the spread of fire, providing peace of mind in critical situations.

Marine Doors & Panels:

Designed for the maritime industry, our marine doors are engineered to endure the challenging conditions of the open sea. Built to withstand water pressure, corrosion, and fire. Our marine doors and panels contribute to the safety and efficiency of vessels.



Marine Fire Rated door

A marine fire-rated door is a specialized type of door designed for use in marine (onboard or offshore) environments that require fire protection. These doors are crucial for maintaining the safety of passengers and crew members by preventing the spread of fire within a vessel. Here are some key features and considerations for marine fire-rated doors:

Fire Resistance:

Marine fire-rated doors are constructed with materials and designs that can withstand fire for a specified duration, such as 0,15,30,60 minutes.

They are typically tested and certified according to SOLAS standards, such as those provided by organizations like the International Maritime Organization (IMO) or classification societies like Indian Register of Shipping (IRS).

Material and Construction:

A marine fire door is constructed with steel sheet and approved non-combustible material. The core is filled with non-combustible material, providing excellent fire resistance. This type of door relies on the fire-resistant properties of its materials without the need for additional sealing mechanisms.

Classification and Standards:

Classification societies like Lloyd's Register, Bureau Veritas, Indian Register of Shipping set standards for marine fire doors to ensure that the doors meet specific safety criteria as per IMO, FTP and SOLAS. The doors may be classified based on factors such as fire rating, pressure resistance, and other performance characteristics.



Testing and Certification:

Marine fire-rated doors undergo rigorous testing at IMO certified labs to ensure that they meet the specified fire resistance standards.

Certification from recognized maritime authorities or classification societies is important for compliance with safety regulations as per marine condition.

Types of Marine Fire Doors:

There are various types of marine fire doors, including hinged doors, sliding doors, and watertight doors, each designed for specific applications on ships.

Installation and Maintenance:

Proper installation is crucial to ensure the effectiveness of marine fire doors. They should be installed according to manufacturer guidelines and maritime regulations.

Regular maintenance and inspection are essential to verify that the doors continue to meet fire safety requirements.

Regulatory Compliance:

Compliance with international regulations, such as the SOLAS (Safety of Life at Sea) Convention, is mandatory for marine fire doors.



Marine Fire Doors

Fire Resistance Classification

"A" class divisions are those divisions formed by bulkheads and decks which comply with the following criteria:

- They are constructed of steel or other equivalent material
- They are suitably stiffened
- They are insulated with approved non-combustible materials such that the average temperature of the unexposed side will not rise more than 140°C above the original temperature, nor will the temperature, at any one point, including any joint, rise more than 180°C above the original temperature, within the time listed below:

Class A 60	60 min
Class A 30	30 min
Class A 15	15 min
Class A 0	0 min

- They are constructed as to be capable of preventing the passage of smoke and flame to the end of the one-hour standard fire test.



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"B" class divisions are those divisions formed by bulkheads, decks, ceilings or linings which comply with the following criteria:

- They are constructed of approved non-combustible materials and all materials used in the construction and erection of "B" class divisions are non-combustible, with the exception that combustible veneers may be permitted provided they meet other appropriate requirements.
- They have an insulation value such that the average temperature of the unexposed side will not rise more than 140°C above the original temperature, nor will the temperature at any one point, including any joint, rise more than 225°C above the original temperature, within the time listed below:

Class B 15	15 min
Class B 0	0 min

- They are constructed as to be capable of preventing the passage of flame to the end of the first half hour of the standard fire test.

"C" class divisions are divisions constructed of approved non-combustible materials. They do not have specific requirements related to the passage of smoke and flame nor limitations relative to the temperature rise. Combustible veneers are permitted.

- The division is not expected to resist the passage of smoke and flame for a designated period.
- There are no strict criteria for how much the temperature on the non-fire side of the division can rise during a fire event.



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Our Products



Steel Doors

Steel Door available in customized options

- Fire and non-fire rated door

Wall Panels

Marine composite panels are used on ships wall lining, wall partition and ceiling. The core material of panels are rock wool and surface material can be galvanized steel plate or stainless-steel plate.

- Customised sizes



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Marine Steel Door

Type A, B

Frame : 1.5 mm galvanized or Stainless steel

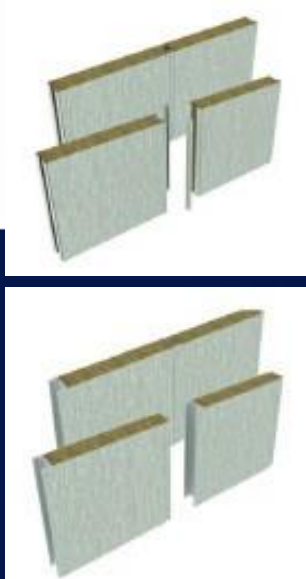
Leaf : 1.0 mm galvanized or stainless-steel sheet with vertical interlock seems and reinforced by top, bottom channels, 50 mm thick.

Fire Rating : A 30/15/0 | B 30/15/0

Rock wool : Rock wool

Dimension : 1000mmx2400mm /customised size

Wall Panel Type



Type No.	P/01	P/02	P/03	P/04
Fire rated	B 15	B 15	B0	B0
Dimension	600mm x 2400mm/ Customised size			
Surface finish	Galvanised steel/Stainless steel			
Core material	Rockwool			
Thickness	50mm	35mm	50mm	35mm



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Bunker Bed

- Two Tier / Three Tier Bunkers
- Under-bed Storage option
- Bunker Accessories can be customised

Book Shelf

- Customised sizes
- Available in RAL colours
- All types of accessories such as drawers and storage cabinets can be accommodated





Storage Cabinets

- Customised sizes of storage cabinets
- Available in RAL colours
- Premium hardware

Cable Tray

- Cable Tray for routing Electrical, Communication and other cables for marine applications
- Perforated / Ladder Type Available



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Raw Materials

Steel (GI)

Jindal SW (commercial grade 90,
120 GSM, hot dipped
zinc coated, skin pass, zero spangle)

Infill

Rockwool

Packing

Special Protection
Tape of 45 microns

Glue

Henkel PUR-FR, Australia (fire rated glue)

Hardware

Geze/Assa Abloy/ Dorma (we insist
for products with certification
embossed)

Glass

Saint Gobain/ Pyrain



Machinery

Amada
56 station Servo CNC Turret



Amada
110 Ton CNC Downstroke Press Brake



Holytek
50 Ton Cold Press



MIG and TIG
Welding Machine Station



Powder Coating Unit -
Electrically Driven with Electro
Static Cyclonic Paint Booth (3.2m x 2.4m)





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CERTIFICATE NO: 2025TAC012

TYPE APPROVAL CERTIFICATE

(This certificate is issued under the Authority of Directorate General of Shipping, Government of India)

This is to certify that the product is in accordance with the applicable rules/standards/codes as described below.
The product is considered to be suitable for use in marine applications and is **included** in the list of approved products.

MANUFACTURER	Indigatech Building Solutions India Pvt. Ltd.
REGISTERED OFFICE & WORKS	248, 3rd Cross Road, 8th Main, Yeshwanthpur Suburb II Stage, 3rd Phase Peenya Industrial Area, Bengaluru - 560058, Karnataka, India
PRODUCT NAME	FIRE DOOR
MODEL NO. / TRADE NAME	IndiaMarine A-30 Fire Door
PRODUCT DESCRIPTION	See Annexure - I
APPLICABLE RULES/STANDARDS/CODES	IRS Rules and Regulations for the Construction and Classification of Steel Ships Annex 1, Part 3 of IMO 2010 FTP Code
CONDITIONS OF APPROVAL	See Annexure - II
VALIDITY	The Certificate is valid until 23/02/2030

ISSUE DATE: 24/02/2025

PLACE: MUMBAI


Premjit Panigrahi
Sr. Principal Surveyor

This Certificate is issued upon the following terms and conditions as laid down in the Society's Regulations:-
Whilst Indian Register of Shipping, a Classification Society, along with its subsidiaries and associates (hereinafter referred to as the Society) and its Board/Committees use their best endeavors to ensure that the functions of the Society are properly carried out, in providing services, information or advice neither the Society nor any of its servants or agents warrants the accuracy of any information or advice supplied. Except as set out herein neither the Society nor any of its servants or agents (on behalf of each of whom the Society has agreed this clause) shall be liable for any loss damage or expense whatever sustained by any person due to any act or omission or error of whatsoever nature and however caused of the Society, its servants or agents or due to any inaccuracy of whatsoever nature and howsoever caused in any information or advice given in any way whatsoever by or on behalf of the Society, even if held to amount to a breach of warranty. Nevertheless, if any person uses services of the Society, or relies on any information or advice given by or on behalf of the Society and suffers loss damage or expenses thereby which is proved to have been due to any negligent act omission or error of the Society, its servants or agents or any negligent inaccuracy in information or advice given by or on behalf of the Society then the Society will pay compensation to such person for his proved loss up to but not exceeding the amount of the fee charged by the Society for that particular service, information or advice.
Any notice of claim for loss, damage or expense, as referred to above, shall be made in writing to the Society's Head Office within six months of the date when the service, information or advice was first provided, failing which all the rights to any such claim shall be forfeited and the Society shall be relieved and discharged from all liabilities.

Form No. TA_ST_R.5





Indian Register of Shipping

CERTIFICATE NO: 2025TAC013

TYPE APPROVAL CERTIFICATE


(This certificate is issued under the Authority of Directorate General of Shipping, Government of India)

This is to certify that the product is in accordance with the applicable rules/standards/codes as described below.
The product is considered to be suitable for use in marine applications and is included in the list of approved products.

MANUFACTURER	Indigatech Building Solutions India Pvt. Ltd.
REGISTERED OFFICE & WORKS	248, 3rd Cross Road, 8th Main, Yeshwanthpur Suburb II Stage, 3rd Phase Peenya Industrial Area, Bengaluru - 560058, Karnataka, India
PRODUCT NAME	FIRE BULKHEAD
MODEL NO. / TRADE NAME	IndiaMarine B-15 Wall Panel 35mm
PRODUCT DESCRIPTION	See Annexure - I
APPLICABLE RULES/STANDARDS/CODES	IRS Rules and Regulations for the Construction and Classification of Steel Ships Annex 1, Part 3 of IMO 2010 FTP Code
CONDITIONS OF APPROVAL	See Annexure - II
VALIDITY	The Certificate is valid until 02/03/2030

ISSUE DATE: 03/03/2025

PLACE: MUMBAI


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Sr. Principal Surveyor

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CERTIFICATE NO: 2025TAC015

TYPE APPROVAL CERTIFICATE

(This certificate is issued under the Authority of Directorate General of Shipping, Government of India)

This is to certify that the product is in accordance with the applicable rules/standards/codes as described below.
The product is considered to be suitable for use in marine applications and is **included** in the list of approved products.

MANUFACTURER

Indigatech Building Solutions India Pvt. Ltd.

REGISTERED OFFICE & WORKS

248, 8th Main Rd, Yeshwanthpur Suburb II Stage, 3rd Stage,
Peenya, Yeshwanthpur
Suburb, BENGALURUR, Karnataka, India

PRODUCT NAME

FIRE BULKHEAD

MODEL NO. / TRADE NAME

IndiaMarine B-15 Wall Panel 50mm

PRODUCT DESCRIPTION

See Annexure - I

APPLICABLE RULES/STANDARDS/CODES

IRS Rules and Regulations for the Construction and
Classification of Steel Ships
Annex 1, Part 3 of IMO 2010 FTP Code

CONDITIONS OF APPROVAL


See Annexure - II

VALIDITY

The Certificate is valid until 05/03/2030

ISSUE DATE: 06/03/2025

PLACE: MUMBAI


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CERTIFICATE NO: 2025TAC016

TYPE APPROVAL CERTIFICATE

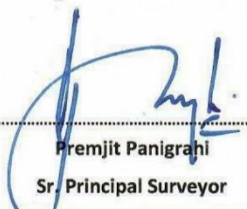
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MANUFACTURER	Indigatech Building Solutions India Pvt. Ltd.
REGISTERED OFFICE & WORKS	248, 8th Main Rd, Yeshwanthpur Suburb II Stage, 3rd Stage, Peenya, Yeshwanthpur Suburb, BENGALURUR, Karnataka, India
PRODUCT NAME	FIRE BULKHEAD
MODEL NO. / TRADE NAME	IndiaMarine B-0 Wall Panel 35mm
PRODUCT DESCRIPTION	See Annexure - I
APPLICABLE RULES/STANDARDS/CODES	IRS Rules and Regulations for the Construction and Classification of Steel Ships Annex 1, Part 3 of IMO 2010 FTP Code
CONDITIONS OF APPROVAL	See Annexure - II
VALIDITY	The Certificate is valid until 05/03/2030

ISSUE DATE: 06/03/2025

PLACE: MUMBAI


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CERTIFICATE NO: 2025TAC017

TYPE APPROVAL CERTIFICATE

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MANUFACTURER	Indigatech Building Solutions India Pvt. Ltd.
REGISTERED OFFICE & WORKS	248, 8th Main Rd, Yeshwanthpur Suburb II Stage, 3rd Stage, Peenya, Yeshwanthpur Suburb, BENGALURUR, Karnataka, India
PRODUCT NAME	FIRE BULKHEAD
MODEL NO. / TRADE NAME	IndiaMarine B-0 Wall Panel 50mm
PRODUCT DESCRIPTION	See Annexure - I
APPLICABLE RULES/STANDARDS/CODES	IRS Rules and Regulations for the Construction and Classification of Steel Ships Annex 1, Part 3 of IMO 2010 FTP Code
CONDITIONS OF APPROVAL	See Annexure - II
VALIDITY	The Certificate is valid until 05/03/2030

ISSUE DATE: 06/03/2025

PLACE: MUMBAI


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CERTIFICATE NO: 2025TAC019

TYPE APPROVAL CERTIFICATE

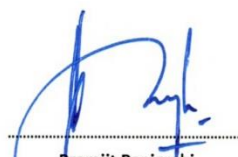
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MANUFACTURER	Indigatech Building Solutions India Pvt. Ltd.
REGISTERED OFFICE & WORKS	248, 8th Main Rd, Yeshwanthpur Suburb II Stage, 3rd Stage, Peenya, Yeshwanthpur Suburb, Bengaluru, Karnataka, India
PRODUCT NAME	FIRE DIVISION
MODEL NO. / TRADE NAME	IndiaMarine C Class Ceiling Panel
PRODUCT DESCRIPTION	See Annexure - I
APPLICABLE RULES/STANDARDS/CODES	IRS Rules and Regulations for the Construction and Classification of Steel Ships Annex 1, Part 1 of IMO 2010 FTP Code
CONDITIONS OF APPROVAL	See Annexure - I
VALIDITY	The Certificate is valid until 12/03/2030

ISSUE DATE: 13/03/2025

PLACE: MUMBAI


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Our Clients



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Contact Us

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Stage, 3rd Stage, Peenya,
Bengaluru,
Karnataka 560058

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