



# WELDING CONSUMABLE CERTIFICATE

Certificate No.: 487698-6899213-001\_\_\_\_\_

Report No.: 6899213\_\_\_\_\_

Port of: Mumbai, India\_\_\_\_\_

Date: 21-APRIL-2025\_\_\_\_\_

## THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF D&H INDIA LIMITED, ATTEND THEIR PLANT AT VILLAGE SEJVAYA, DHAR ROAD, GHATABILLOD, DISTRICT DHAR, M.P - 454773, INDIA, ON THE 13 DAY OF MARCH, 2025 AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE FLUX CORED ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
SUPERCORE 71 T-1	ABS	3Y SA C1 H5	CO2	ALL	DCEP	1.20-1.60 MM



RAHUL VIDYADHAR BHAT SURVEYOR

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Certificate number : WM 142001/02/C.0

File number : 142001 N 2023

## TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

**D & H INDIA Limited**

Indore - INDIA

for the product

### Flux-Cored Wire for Semi-Automatic or Automatic Welding with Shielding Gas

<b>Designation</b>	: SUPERCORE 71T-1
<b>Grade</b>	: SA3YM HH
<b>Description</b>	: Gas Shield CO2 100%
<b>Diameter</b>	: 1.2-1.6 mm
<b>Welding current</b>	: DC+
<b>Welding position</b>	: All positions for butt and fillet welding including vertical downwards (PA, PF, PG, PB, PC, PE, PD)
<b>Remark</b>	: NIL

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

**This certificate will expire on: 06 Jun 2026**

**For Bureau Veritas Marine & Offshore,**

Local office: BV MUMBAI (BOMBAY)

Issued on 18 Jun 2025

Surveyor: N. KANAWADE

**This certificate was created electronically and is valid without signature**



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.



Certificate no.:  
**TAW00005S8**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

that the **Flux Cored Wire/Gas combination**

with trade name  
**SUPERCORE-71-T1 / C1**

Manufacturer  
**D & H India Limited**  
**Ghatabillod, Madhya Pradesh, India**

is found to comply with  
**DNV rules for classification – Ships**  
**DNV class programme DNV-CP-0069 – Type approval – Welding consumables**

with this approval

<b>Grade</b>	<b>III YMS H5</b>
<b>Current</b>	<b>DC(+)</b>
<b>Approved diameter</b>	<b>1.2 mm - 1.6 mm</b>
<b>Positions</b>	<b>All, including vertical downwards</b>
<b>Remarks</b>	

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

Issued at **Hamburg** on **2024-06-05**

This Certificate is valid until **2029-06-04**.

DNV local unit: **India CMC MES**

Approval Engineer: **Dietmar Liebich**

for **DNV**

Digitally Signed By:  
Martin Wenning  
Location: DNV Hamburg,  
Germany



Any significant change in design or construction may render this Certificate invalid.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.





# Indian Register of Shipping

Certificate No.: BHP24WC004

## CERTIFICATE OF APPROVAL OF WELDING CONSUMABLES FOR USE IN SHIP CONSTRUCTION

This is to certify that the electrode described below has been tested in accordance with the Society's rule requirements and is being included in the approved list of consumables for Welding in Ship Construction.

**NAME & ADDRESS OF MANUFACTURER** : **D & H INDIA LIMITED**  
**VILLAGE SEJVAYA, GHATABILLOD**  
**DHAR ROAD**  
**DISTRICT DHAR 454773**  
**MADHYA PRADESH**  
**INDIA**

**TYPE OF ELECTRODE** : **FLUX CORED WIRE**

**TRADE NAME** : **SUPERCORE 71-T1**

**WELDING POSITIONS** : **All Positions**

**GRADE** : **3Y S H5**

**SIZE (dia.) mm** : **1.20 MM,1.60 MM**

**CURRENT TYPE** : **DC (+ ve)**

Place : **Mumbai**

Date : **13/02/2024**

**Tapes Ghosh**

**Head of Department**  
**Ships and Technical Services**  
**Indian Register of Shipping**

The validity of this certificate is subject to Annual Approval being carried out in **October** every year and the attachment to this certificate being endorsed by the society's Surveyors.

*See overleaf for conditions of issue of this certificate*



# Indian Register of Shipping

The validity of this Certificate is renewed on satisfactory completion of Annual Approval in accordance with the Society's Rules.

Signature \_\_\_\_\_  
Surveyor's Name NITIN RANE  
Port MUMBAI  
Date 18/10/2024



Signature \_\_\_\_\_  
Surveyor's Name \_\_\_\_\_  
Port \_\_\_\_\_  
Date \_\_\_\_\_

IRS Stamp

Signature \_\_\_\_\_  
Surveyor's Name \_\_\_\_\_  
Port \_\_\_\_\_  
Date \_\_\_\_\_

IRS Stamp

Signature \_\_\_\_\_  
Surveyor's Name \_\_\_\_\_  
Port \_\_\_\_\_  
Date \_\_\_\_\_

IRS Stamp



## CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

<b>Company</b>	<b>D&amp;H India Limited</b>
<b>Address</b>	Sector A Plot A, Sanwer Road Industrial Area, Indore, 452012, India
<b>Type of welding consumable</b>	Section 5 - Flux-Cored Wire/Gas Shield
<b>Trade name</b>	Supercore 71-T1/CO2
<b>Welding Process</b>	Flux Cored Arc Welding
<b>Grade &amp; Technique</b>	3YS
<b>Welding Positions</b>	Downhand, horizontal-vertical, vertical upward and downward, and overhead.
<b>Weld Type</b>	Butt and Fillet Welding.
<b>Diameter (mm)</b>	1.2 -1.6
<b>Current</b>	DC(+)
<b>Remarks</b>	Approved also for automatic multirun welding in the downhand position only. Approved low hydrogen consumable, conforming to standard H5.

**Jaspal Nirankari**

Welding Team Leader 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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