



Certificate number: 09885/E0 BV

File number: MAT 1776/01

Product code: 9007I

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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APPROVAL CERTIFICATE for MATERIALS

This certificate is issued to

DILLINGER FRANCE

Dunkerque - FRANCE

for the type of product

HIGHER STRENGTH HULL STEEL ROLLED PRODUCTS

Hot rolled plates in steel grades AH32, DH32, EH32, AH36, DH36, EH36 including Z25 and Z35

Requirements:

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

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 mentioned above.

This certificate will expire on: 15 May 2031

For Bureau Veritas Marine & Offshore,

At BV LE HAVRE, on 15 May 2026,

Yannick TOULOTTE

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 available on the internet site www.veristar.com. 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.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Hot rolled plates.

Steel grade	Deoxydation practice & Refining	Delivery conditions
AH32 - DH32 - EH32 (Z25/Z35)	Killed and fine grain treated with Al	Normalised (N) with maximum thickness 70mm Normalising Rolled (NR) with maximum thickness 50mm Thermomechanical rolling (TMCP) with thickness range 8mm to 75mm
AH36 - DH36 - EH36 (Z25/Z35)	Killed and fine grain treated with Al+Nb	Normalised (N) with maximum thickness 70mm Normalising Rolled (NR) with maximum thickness 70mm Thermomechanical rolling (TMCP) with thickness range 8mm to 75mm

No Steelmaking.

2. DOCUMENTS AND DRAWINGS :

2.1 - Documents issued by Dillinger France:

- "Dillinger France, a plate mill of Dillinger Group" dated 09 October 2020.
- "Quality Management system" dated 09 October 2020.
- "Laboratory Qualités- Essais" dated 09 October 2020.
- "Integrated Management Manual Rev.5.0" dated April 2019.
- Ref.I/11/LAM 233 Revision No.2 dated 19/03/2026; Informations complémentaires_BV dated 15/04/2026.

3. TEST REPORTS :

3.1 - Documents issued by GTS INDUSTRIES:

- "Approval request for the supply of steel plates of grades AH36, DH36 and EH36, 75mm thick delivered in the thermomechanically rolled condition" dated December 2000.
- "Statistic data" dated August to December 2004.
- "Approval request for the supply of steel plates of grades AH32, DH32, EH32, AH36, DH36 and EH36, for the 8mm to 50mm thickness range delivered in the thermomechanically rolled condition" dated January 1994.
- Weldability test results dated June 1991.
- "Occidental piper field redevelopment project - Metallurgical results" dated November 1990.

3.2 - As per following documents issued by Dillinger France:

- Welding laboratory report 19/2002 Rev.1 dated 21 July 2002.
- Statistic data dated 10 November 2020.

4. APPLICATION / LIMITATION :

4.1 - As per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units.

4.2 - Slabs supplied by AG der Dillinger Hüttenwerke or other steelmaker approved by Bureau Veritas for the type of steel to be produced.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The steel plates are to be supplied by Dillinger France in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 - BV product certificate is required.

5.4 - Dillinger France has to make the necessary arrangements to have its works recognized by Bureau Veritas in compliance with the requirements of NR320.

5.5 - Semi-finished products used to manufacture steel plates/sections are to be supplied with works certificates (W).

5.6 - For information, Dillinger France has declared to Bureau Veritas the following production site:

Dillinger France
PORT 3032 - 3032 Rue du Comte Jean
CS 56317/59379 Dunkerque CEDEX
59379 Dunkerque
France

6. MARKING OF PRODUCT :

6.1 - Each steel plate is that has been tested with satisfactory results are to be marked with the following information:

- Manufacturer's name or trademark
- Bureau Veritas' Mark
- Identification marking enabling traceability, such as cast number, heat number, or batch number
- Material grade and classification
- Additional markings where applicable, such as test pressure or specific inspection references

Additional marking requirements specific to steel plates shall be in accordance with the “Marking” article in the relevant section of Bureau Veritas NR216 Rules on Materials and Welding for the Classification of Marine Units.

6.2 - In addition to the material grade designation, products are to be marked with the symbol Z25-Z35 as appropriate.

7. OTHERS :

7.1 - It is Dillinger France's responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 09885/D0 BV issued by the Society.

***** END OF CERTIFICATE *****



Certificate number: 09884/F0 BV

File number: MAT 1776/01

Product code: 9006I

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APPROVAL CERTIFICATE for MATERIALS

This certificate is issued to

DILLINGER FRANCE

Dunkerque - FRANCE

for the type of product

NORMAL STRENGTH HULL STEEL ROLLED PRODUCTS

Hot rolled plates in steel grades A, B, D, E including quality Z25 and Z35 for grades D and E

Requirements:

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

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 mentioned above.

This certificate will expire on: 15 May 2031

For Bureau Veritas Marine & Offshore,

At BV LE HAVRE, on 15 May 2026,

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THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Hot rolled plates.

Steel grade	Deoxydation practice & Refining	Delivery conditions
A	Si-Al Killed	As Rolled (AR) with maximum thickness 100mm Normalised (N) with maximum thickness 100mm Normalising Rolled (NR) with maximum thickness 80mm
B	Si-Al Killed	Normalised (N) with maximum thickness 100mm Normalising Rolled (NR) with maximum thickness 80mm
D (Z25/Z35)	Si-Al Killed and fine grain treated with Al	Normalised (N) with maximum thickness 100mm Normalising Rolled (NR) with maximum thickness 80mm
E (Z25/Z35)	Si-Al Killed and fine grain treated with Al	Normalised (N) with maximum thickness 80mm Normalising Rolled (NR) with maximum thickness 80mm

No Steelmaking.

2. DOCUMENTS AND DRAWINGS :

2.1 - Documents issued by Dillinger France:

- "Dillinger France, a plate mill of Dillinger Group" dated 09 October 2020.
- "Quality Management system" dated 09 October 2020.
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- Ref.I/11/LAM 233 Revision No.2 dated 19/03/2026; Informations complémentaires_BV dated 15/04/2026.

3. TEST REPORTS :

3.1 - Documents issued by GTS INDUSTRIES:

- "GTS Plates Material Approval Extension Request - Ordinary Hull Grades" submitted 2000.
- "GTS Plates Material Approval Extension Request - Ordinary Hull Grades" submitted 2000.
- Weldability test results dated June 1991.
- "Occidental piper field redevelopment project - Metallurgical results" dated November 1990.

4. APPLICATION / LIMITATION :

4.1 - As per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units.

4.2 - Slabs supplied by AG der Dillinger Hüttenwerke or other steelmaker approved by Bureau Veritas for the type of steel to be produced.

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