

MARINE DIVISION

17 bis Place des Reflets - La Défense 2
92400 Courbevoie - France

Tel. 33 1 42 91 52 91
Fax. 33 1 42 91 28 94
www.veristar.com



Certificate number: 12815/B0 BV

File number : ACE 15/280/08

Product code : 2661H

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

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Classification Rules

This certificate is issued to

SAREL

Sarre-Union - FRANCE

for the type of product

ENCLOSURES / CABINETS / BOXES (LOW VOLTAGE)

Series: SPACIAL 3D.

Regulations and standards :

BV Rules for the Classification of Steel Ships - IEC 60529 - EN/IEC 62208.

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of the Regulations and standards mentioned above.

This certificate is valid until : 30 Jul 2013

At Paris la Défense, on : 30 Jul 2008

For BUREAU VERITAS,
By order of the Secretary

L. COURREGELONGUE

Approval office



Local office : BV METZ
Surveyor : A. Kinnen



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. 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 Division. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS 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 :

STEEL BOXES
Serie: SPACIAL 3D:

Specifications:

Standard Boxes (single door) - IP 66
Standard Boxes (double door) - IP 55
VA Boxes (single door) - IP 66
57100 Boxes - IP 66
Distribution Boxes - IP 66

References :

54230 to 54234, 54240 to 54244, 57125 to 57128, 83001 to 83004, 83012, 83015, 83017 to 83019, 83021 to 83030, 83035, 83037, 83039, 83040, 83043 to 83048, 83054 to 83064 to 83066, 83067, 83070 to 83078, 83200 to 83209, 83220 to 83225, 83301 to 83304, 83315, 83317 to 83319, 83321 to 83332, 83335, 83337, 83339, 83340, 83343 to 83348, 83354 to 83367, 83370 to 83378, 83501 to 83504, 83512, 83517 to 83519, 83521 to 83532, 83535, 83537, 83539, 83540, 83543 to 83546, 83554, 83556 to 83565, 8356, 83570, 83571, 83573, 83574.

2. DOCUMENTS AND DRAWINGS :

- 2.1 - Manufacturer's catalogue 2002.
- 2.2 - Reference list N° 12815/B0 BV.

3. TEST REPORTS :

- 3.1 - LCIE Test report N° 36209 020 dated 22/Jul./2002.
- 3.2 - LCIE Test report N° 6056820-557658 CR 2008-04-21 dated 21/Apr./2008.

4. APPLICATION / LIMITATION :

- According to BV Rules for the Classification of Steel Ships.
- IEC 92 series.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The above products are to be manufactured, examined and tested by **SAREL** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end **SAREL** has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 - **SAREL** has declared to Bureau Veritas that the type of product described in this certificate are manufactured at the following production site:

SAREL
Route de Phalsbourg,
BP 60
F-67260 Sarre-Union
FRANCE

6. MARKING OF PRODUCT :

- Maker's name or trade mark.
- Serial number of the units.
- Equipment type number or model identification under which it was type-tested.
- IEC/EN 62208.

7. OTHERS :

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the unit at any time and that **SAREL, Sarre-Union - FRANCE** will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 12815/A0 BV issued on 10/03/2003 by the Society.

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

LISTE DES REFERENCES CONCERNEES PAR LE PRESENT CERTIFICAT
LIST OF REFERENCES CONCERNED BY THIS CERTIFICATE

REFERENCE	DESIGNATION
83015	Coffret 3D 300x200x150
83001	Coffret 3D 300x250x150
83002	Coffret 3D 300x300x150
83003	Coffret 3D 300x300x200
83012	Coffret 3D 300x400x150
83004	Coffret 3D 300x400x200
83017	Coffret 3D 400x300x150
83018	Coffret 3D 400x300x200
83019	Coffret 3D 400x400x200
83031	Coffret 3D 400x600x200
83032	Coffret 3D 400x600x250
83021	Coffret 3D 500x300x200
83023	Coffret 3D 500x400x200
83024	Coffret 3D 500x400x250
83022	Coffret 3D 500x500x200
83025	Coffret 3D 500x500x250
83026	Coffret 3D 600x400x200
83027	Coffret 3D 600x400x250
83040	Coffret 3D 600x500x250
83028	Coffret 3D 600x600x200
83029	Coffret 3D 600x600x250
83030	Coffret 3D 600x600x300
83039	Coffret 3D 600x600x400
83037	Coffret 3D 600x800x300
83035	Coffret 3D 700x500x250
83043	Coffret 3D 800x600x200
83056	Coffret 3D 800x600x250
83057	Coffret 3D 800x600x300
83044	Coffret 3D 800x600x400
83045	Coffret 3D 800x800x250
83046	Coffret 3D 800x800x300
83047	Coffret 3D 800x1000x300
83055	Coffret 3D 800x1000x300 DP
83048	Coffret 3D 800x1200x300 DP
83054	Coffret 3D 1000x600x250
83058	Coffret 3D 1000x600x300
83059	Coffret 3D 1000x600x400
83060	Coffret 3D 1000x800x250
83061	Coffret 3D 1000x800x300
83062	Coffret 3D 1000x800x400
83070	Coffret 3D 1000x1000x300
83063	Coffret 3D 1000x1000x300 DP
83066	Coffret 3D 1000x1200x400 DP
83072	Coffret 3D 1000x1200x300 DP
83073	Coffret 3D 1200x600x300
83074	Coffret 3D 1200x600x400
83064	Coffret 3D 1200x800x300
83067	Coffret 3D 1200x800x400
83071	Coffret 3D 1200x1000x300

REFERENCE	DESIGNATION
83360	Coffret 3D + châs. 1000x800x250
83361	Coffret 3D + châs. 1000x800x300
83362	Coffret 3D + châs. 1000x800x400
83370	Coffret 3D + châs. 1000x1000x300
83363	Coffret 3D + châs. 1000x1000x300 DP
83366	Coffret 3D + châs. 1000x1200x300 DP
83372	Coffret 3D + châs. 1000x1200x400 DP
83373	Coffret 3D + châs. 1200x600x300
83374	Coffret 3D + châs. 1200x600x400
83364	Coffret 3D + châs. 1200x800x300
83367	Coffret 3D + châs. 1200x800x400
83371	Coffret 3D + châs. 1200x1000x300
83365	Coffret 3D + châs. 1200x1000x300 DP
83375	Coffret 3D + châs. 1200x1000x400 DP
83376	Coffret 3D + châs. 1200x1200x300 DP
83377	Coffret 3D + châs. 1200x1200x400 DP
83378	Coffret 3D + châs. 1400x1000x300 DP
83501	Coffret 3D + pte tr. 300x250x150
83502	Coffret 3D + pte tr. 300x300x150
83503	Coffret 3D + pte tr. 300x300x200
83512	Coffret 3D + pte tr. 300x400x150
83504	Coffret 3D + pte tr. 300x400x200
83517	Coffret 3D + pte tr. 400x300x150
83518	Coffret 3D + pte tr. 400x300x200
83519	Coffret 3D + pte tr. 400x400x200
83531	Coffret 3D + pte tr. 400x600x200
83532	Coffret 3D + pte tr. 400x600x250
83521	Coffret 3D + pte tr. 500x300x200
83523	Coffret 3D + pte tr. 500x400x200
83524	Coffret 3D + pte tr. 500x400x250
83522	Coffret 3D + pte tr. 500x500x200
83525	Coffret 3D + pte tr. 500x500x250
83526	Coffret 3D + pte tr. 600x400x200
83527	Coffret 3D + pte tr. 600x400x250
83540	Coffret 3D + pte tr. 600x500x250
83528	Coffret 3D + pte tr. 600x600x200
83529	Coffret 3D + pte tr. 600x600x250
83530	Coffret 3D + pte tr. 600x600x300
83539	Coffret 3D + pte tr. 600x600x400
83537	Coffret 3D + pte tr. 600x800x300
83535	Coffret 3D + pte tr. 700x500x250
83543	Coffret 3D + pte tr. 800x600x200
83556	Coffret 3D + pte tr. 800x600x250
83557	Coffret 3D + pte tr. 800x600x300
83544	Coffret 3D + pte tr. 800x600x400
83545	Coffret 3D + pte tr. 800x800x250
83546	Coffret 3D + pte tr. 800x800x300
83554	Coffret 3D + pte tr. 1000x600x250
83558	Coffret 3D + pte tr. 1000x600x300

83065	Coffret 3D 1200x1000x300 DP
83075	Coffret 3D 1200x1000x400 DP
83076	Coffret 3D 1200x1200x300 DP
83077	Coffret 3D 1200x1200x400 DP
83078	Coffret 3D 1400x1000x300 DP
83315	Coffret 3D + châs. 300x200x150
83301	Coffret 3D + châs. 300x250x150
83302	Coffret 3D + châs. 300x300x150
83303	Coffret 3D + châs. 300x300x200
83312	Coffret 3D + châs. 300x400x150
83304	Coffret 3D + châs. 300x400x200
83317	Coffret 3D + châs. 400x300x150
83318	Coffret 3D + châs. 400x300x200
83319	Coffret 3D + châs. 400x400x200
83331	Coffret 3D + châs. 400x600x200
83332	Coffret 3D + châs. 400x600x250
83321	Coffret 3D + châs. 500x300x200
83323	Coffret 3D + châs. 500x400x200
83324	Coffret 3D + châs. 500x400x250
83322	Coffret 3D + châs. 500x500x200
83325	Coffret 3D + châs. 500x500x250
83326	Coffret 3D + châs. 600x400x200
83327	Coffret 3D + châs. 600x400x250
83340	Coffret 3D + châs. 600x500x250
83328	Coffret 3D + châs. 600x600x200
83329	Coffret 3D + châs. 600x600x250
83330	Coffret 3D + châs. 600x600x300
83339	Coffret 3D + châs. 600x600x400
83337	Coffret 3D + châs. 600x800x300
83335	Coffret 3D + châs. 700x500x250
83343	Coffret 3D + châs. 800x600x200
83356	Coffret 3D + châs. 800x600x250
83357	Coffret 3D + châs. 800x600x300
83344	Coffret 3D + châs. 800x600x400
83345	Coffret 3D + châs. 800x800x250
83346	Coffret 3D + châs. 800x800x300
83347	Coffret 3D + châs. 800x1000x300
83355	Coffret 3D + châs. 800x1000x300 DP
83348	Coffret 3D + châs. 800x1200x300 DP
83354	Coffret 3D + châs. 1000x600x250
83558	Coffret 3D + châs. 1000x600x300
83359	Coffret 3D + châs. 1000x600x400

83559	Coffret 3D + pte tr. 1000x600x400
83560	Coffret 3D + pte tr. 1000x800x250
83561	Coffret 3D + pte tr. 1000x800x300
83562	Coffret 3D + pte tr. 1000x800x400
83570	Coffret 3D + pte tr. 1000x1000x300
83563	Coffret 3D + pte tr. 1000x1000x300 DP
83573	Coffret 3D + pte tr. 1200x600x300
83574	Coffret 3D + pte tr. 1200x600x400
83564	Coffret 3D + pte tr. 1200x800x300
83567	Coffret 3D + pte tr. 1200x800x400
83571	Coffret 3D + pte tr. 1200x1000x300
83565	Coffret 3D + pte tr. 1200x1000x300 DP
83220	Coffret prise pte IP66 300x250x200
83221	Coffret prise pte IP66 400x300x200
83222	Coffret prise pte IP66 500x400x200
83223	Coffret prise lat. IP66 300x250x200
83224	Coffret prise lat. IP66 400x300x200
83225	Coffret prise lat. IP66 500x400x200
57125	Coffret 3D vissé 200x300x150
57126	Coffret 3D vissé 300x300x150
57127	Coffret 3D vissé 300x400x150
57128	Coffret 3D vissé 300x500x200
54230	Coffret 3D 19P piv. 4U 300x600x400
54231	Coffret 3D 19P piv. 7U 400x600x400
54232	Coffret 3D 19P piv. 9U 500x600x400
54233	Coffret 3D 19P piv. 13U 700x600x400
54234	Coffret 3D 19P piv. 16U 800x600x400
54240	Coffret 3D 19P fix. 5U 300x600x400
54241	Coffret 3D 19P fix. 8U 400x600x400
54242	Coffret 3D 19P fix. 10U 500x600x400
54243	Coffret 3D 19P fix. 14U 700x600x400
54244	Coffret 3D 19P fix. 17U 800x600x400
83200	Coffret 3D modulaire 400x300x150
83201	Coffret 3D modulaire 500x400x150
83202	Coffret 3D modulaire 600x400x150
83203	Coffret 3D modulaire 600x600x150
83204	Coffret 3D modulaire 700x500x150
83205	Coffret 3D modulaire 700x500x150
83206	Coffret 3D modulaire 800x600x150
83207	Coffret 3D modulaire 800x600x150
83208	Coffret 3D modulaire 1000x600x150
83209	Coffret 3D modulaire 1000x600x150