

TYPE APPROVAL CERTIFICATE No. FPE066616CS/002

This is to certify that the product identified below satisfies the requirements of the standard quoted under "Reference standard"

Description FIXED DRY CHEMICAL POWDER FIRE EXTINGUISHING

SYSTEM

Type FIREKILL POWDER

Applicant A.B.S. S.R.L.

VIALE LOMBARDIA, 310 20861 BRUGHERIO (MB)

ITALY

Manufacturer A.B.S. S.R.L.

Place of manufacture VIALE LOMBARDIA, 310

20861 BRUGHERIO (MB)

ITALY

Reference standards ISO 9094:2015

Reference documents Rules for the Type Approval of Fixed Powder Fire-Extinguishing

Systems in Machinery Spaces

Issued in Genoa on April 5, 2016. This Certificate is valid until April 4, 2021



RINA Services S.p.A.

Paolo Brocca

This certificate consists of this page and 1 enclosure

TYPE APPROVAL CERTIFICATE

No. FPE066616CS/002 Enclosure - Page 1 of 1 FIREKILL POWDER

Product description

	Syste	m characteristics	
Components	Powder container	1 storage bottle inside the space - Storage pressure:1.4 N/mm	
	Discharge devices	Brass nozzles as per installation requirements	
	Distribution	Metallic piping as per installation requirements	
System activation	Manual	Manual handle with sheathed steel wire	
		Remote electric control box with pyrotechnic cartridge	
	Automatic	Sprinkler type glass bulb set at 68°C / 79°C / 93°C	
Extinguishing agent	ABC Chemical powder	er EN 615 - Total or Furex	
	Installa	ation requirements	
Powder quantity (Kg)	Protected space gross volume (m³)	Nozzles n°	Distribution pipes max length (m)
	1.7	2	2
2	3.3	2	3
3	5.1	2	4
4	6.6	2	4
6	10	2	5
9	15	4	6
12	20	4	8

Field of application

A and B Class fires in unmanned machinery spaces of pleasure vessels having a length not exceeding 24 m and machinery spaces with a gross volume not exceeding 20 m³, to which Directive 96/98/EC as amended is not applicable.

Reference documents

 A.B.S. S.r.I. technical specification booklet filed with n° FPE-8590, and A.B.S Firekill systems 1-3-6-9-12 Kg Powder ABC Data Sheet filed by RINA with CSST 13524.

Test carried out

Fire tests n° FPE/4345/2 dated 04/11/2004 witnessed by RINA and performed at Manufacturer's facility.

Remarks

- In case of vessels certified according to Directive 94/25/CE (CE marked), reference is to be made to ISO 9094:2015.
- In case of manual activation, the release device shall be readily accessible and labelled with a means of preventing accidental discharge.
- Automatic release of the system is accepted on RINA class vessels with protected spaces gross volume up to 14 m² and on CE marked vessels only.
- For automatic systems a remote discharge indicator shall be installed and shall be clearly perceptible from the main helm position.
- If the cylinders are located inside the protected space or if the activation of the fixed system is automatic, a visual indication
 of discharge shall be provided outside the space.

Mass produced articles of the aforesaid material are to be marked or labelled with the trade name and the data of the Company to whom this Certificate is addressed. The validity of this Certificate is dependent on the compliance of each manufactured product with the prototype which underwent the type approval tests and such compliance shall be stated by the manufacturer. Moreover, the Company is fully responsible for ensuring compliance by performing all the necessary checks also in respect of its sub-suppliers. Notwithstanding the above, RINA reserves the right to make any checks it deems appropriate during production. The validity of this Certificate ceases in the case of amendments to the rules on the basis of which the Certificate was issued.

Genoa April 05, 2016

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