

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Fire Stop System for Cable

with type designation(s)
PYRO-SAFE FLAMMOPLAST KS 1

Issued to

svt Brandschutz Vertriebsgesellschaft mbH International
Seevetal, Germany

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

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

Issued at **Hamburg** on **2019-01-07**

This Certificate is valid until **2024-02-12**.

DNV GL local station: **Hamburg**

for **DNV GL**

Approval Engineer: **Carsten Hunsalz**

.....
Arne Schaarmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Product description

Solvent-free, water based dispersion, used as an intumescent coating material for fire stop systems on electrical cables.

Type: PYRO-SAFE FLAMMOPLAST KS 1
Colour : White or light grey
Density : Approx. 1.25 g/ccm at 20° C
ph - Value : Approx. 8,4
Dry substance : Approx. 71 % at 100° C dry temperature

Recommended dry film thickness : 0,5 mm

For spraying and brush-painting applications.

Application/Limitation

Precautions against fire spreading in cable bunches:

The cable or the bunched cables to be coated on all sides. In enclosed and semi-enclosed spaces cable runs to be coated at least 1 metre in every 14 metres for horizontal runs and to entire length of vertical runs.

This approval is only valid for coating applied by svt Brandschutz or according to svt Brandschutz application instructions.

Type Approval documentation

Test report: EE/154/98, ENERGOPOMIAR-ELEKTRYKA
svt Technical Data Sheet PYRO-SAFE FLAMMOPLAST KS 1
svt Application Instruction PYRO-SAFE FLAMMOPLAST KS 1
Baustoffzulassung Z-19.11 - 389, svt dated 19.11.13

Tests carried out

IEC 60332-3-22, Category A: 2018;
DIN EN 60332-3-22 / VDE 0482-332-3-22

Marking of product

The product or packing is to be marked with name of manufacturer and type designation.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance



Job Id: **262.1-029595-1**
Certificate No: **TAE00003BM**

- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE