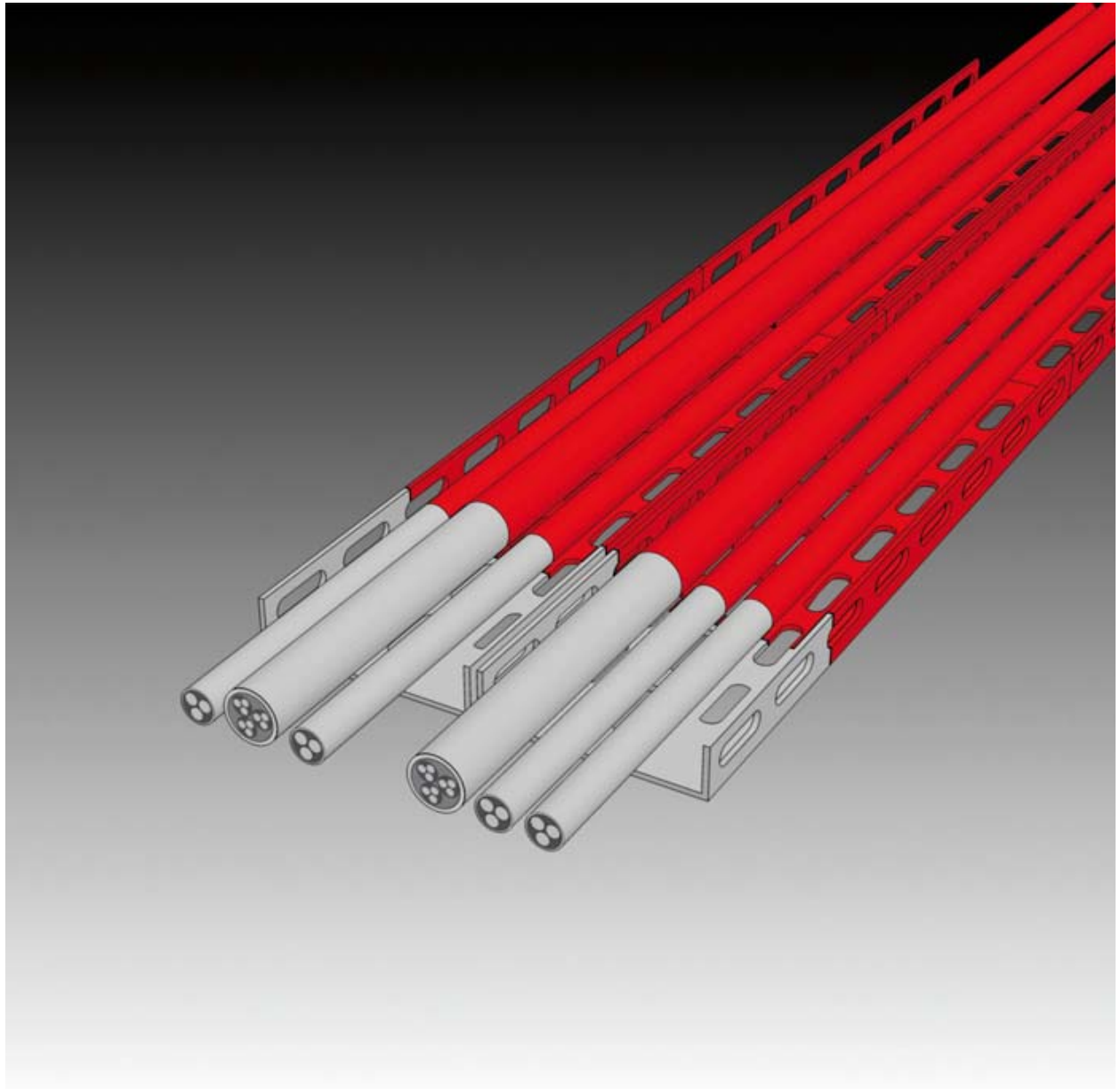


Protecting Ships

FLAMMADUR A77 HF Cable Coating



FLAMMADUR[®] A77 HF

CABLE COATING

In general

FLAMMADUR[®] A77 HF Fire Stop Cable Coating
Consist of:

- A 77 HF Intumescent fire protection coating
- V 906 Protection Varnish

Range of application

When exposed to fire, FLAMMADUR[®] A77 HF expands and cures to an insulating carbon foam, protecting underlying material against heat. FLAMMADUR[®] A77 HF is designed to prevent the outbreak of fire caused by cable burns. With FLAMMADUR[®] A77 HF short-circuits or sparks, even off high voltage cables, cannot spark fires. In case of an external fire, damage to cables and insulation is delayed for a minimum 30 minutes. As a result, escape routes and power supplies stay available for longer. Cable fire load is significantly reduced.

Smoke generated from the protected materials is < 400%/min. The coating does not affect the cables' current carrying capacity in any way.

Application

1. Application areas must be dry, clean and free of grease.
2. Surface and air temperature should be > 5°C.
3. Please stir well before use.
4. The coating can either be applied with a brush or roller or using airless spray equipment.
5. If required, product may be diluted with water.
6. The dry layer of FLAMMADUR® A77 HF should be at least 0.5 mm thick. This requires a wet layer of approximately 925 g/m².
7. When exposed to humidity, e.g. in wet rooms or outdoors, FLAMMADUR® A77 HF may be additionally treated with FLAMMADUR® V 906 protective varnish.
8. Allow the cable coating to dry for a minimum 24 hours at room temperature before applying varnish.

All components of the FLAMMADUR System are neutral, harmless to humans and the environment and require no specific labeling.

Delivery Units		
Name	A 77 HF, white	
Bundle	6 kg	20 kg
Identification-No.	4146288	4146287
Name	A 77 HF, gray	
Bundle	6 kg	20 kg
Identification-No.	4146296	4146295
Name	A 77 HF, black	
Bundle	6 kg	20 kg
Identification-No.	4146294	4146293
Name	V 906, Varnish	
Bundle	10 kg	
Identification-No.	4145557	

Storage		
	A 77 HF Cable Coating	V 906 Varnish
Storage	Keep dry Protect against frost	Protect against frost
Shelf-life	12 Month	12 Month



Identification- No. 4146287



Identification-No. 4145557

	<p>Fire Protection Technologies, Inc. Suite 160 8000 Research Forest Drive The Woodlands, TX 77382 Website: www.flammadur.com</p>	
<p>Adolf R. Hochstim, PhD Technical Director</p>	<p>e-mail: ahochstim@earthlink.net</p>	<p>Phone: (818) 730-7749 FAX: (936) 271-4114 (Fax only)</p>
<p>Charles R. Eminhizer, PhD Thermal Physicist</p>	<p>e-mail: charles.eminhizer@yahoo.com ceminhizer@att.net</p>	<p>Phone: (858) 442-2192</p>

This product is certified by: German Lloyd

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **59 395 - 08 HH**

Company **AIK Flammadur Brandschutz GmbH
Otto-Hahn-Straße 5
34123 Kassel, GERMANY**

Product Description **Fire Stop System with intumescent cable coating material**

Type **FLAMMADUR A 77 Firestop Coating
FLAMMADUR A 77 HF Firestop Coating**

Environmental Category **None**

Technical Data /
Range of Application **The system comprise: Coating compound FLAMMADUR A 77 or
Halogen free coating compound A 77 HF**

Application: **Limitation of fire propagation along cable bundles
according to the 1981 Amendments to the
International Convention for the Safety of Life at Sea,
1974, Chapter II-1, Rule 45, 5-2**

Arrangement: **In general, characteristics, design and application are
governed by the manufacturer's documentation.
- At horizontal cable runs the fire stop is formed by
coatings of 1m minimum length placed at least every
14 m
- At vertical cable runs the fire stop is formed by a
coating covering the whole length.**

Minimum thickness: **0,5 mm in dried state**

Test Standard **IEC 60332-3 -22 Cat A: 2000**

Documents **Test report : ISSeP No.: 2525/2007; 2526/2007; 2527/2007 dated 06.12.2007
Specification: AIK Technical Data Sheets**


Remarks **None**

Valid until **2013-09-28**

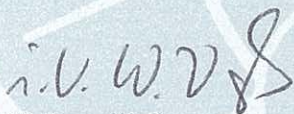
Page **1 of 1**

File No. **I.N.06**

Hamburg, **2008-09-29**

Type Approval Symbol 

Germanischer Lloyd


Wolfgang Voß


Reinhard Fenster