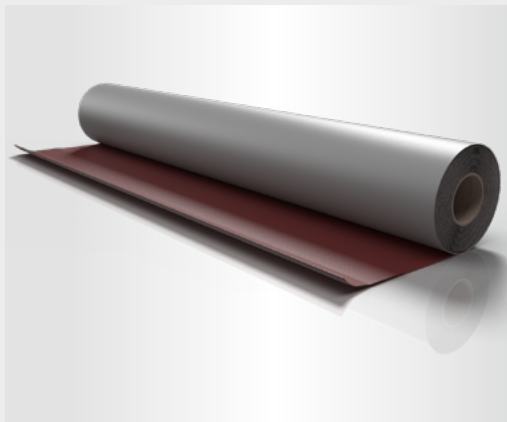


Cable Protection

FLAMMOTECT-A Cable Coating and DG-CR 0.7 Cable bandage at a glance





FLAMRO® – the svt international quality brand for passive fire protection in the Middle East

With its headquarters in Germany, the svt Group of Companies is recognised worldwide as a reliable manufacturer and supplier of passive fire protection solutions. As part of the svt Group of Companies, the name Flamro has long stood for particularly high standards in structural fire protection in Germany and Europe. FLAMRO® from svt has now also established itself as a quality brand in this sector on the international market.

For over 50 years, svt and Flamro have ensured safety in case of fire. Thanks to our high-quality preventive fire protection solutions, such as penetration seals, cable coatings, and fire protection bandages and collars, human lives are protected, operational failures are prevented, property damage is reduced, and environmental damage is limited.

Whether in Egypt, Saudi Arabia, Bahrain, Jordan, Oman, Pakistan, Kuwait, Qatar, Iraq, Yemen, Lebanon, or the United Arab Emirates: if you are looking for reliable preventive fire protection solutions, then you are in exactly the right place with Flamro.

Flamro – passive structural fire protection in svt quality

Since 2018, Flamro has been a member of the svt Group of Companies, which offers a diverse range of state-of-the-art fire protection products and applications. Within the svt Group, Flamro is the expert for passive fire protection solutions in the construction sector. For this reason, svt places emphasis on the FLAMRO® brand name with regard to products and applications in this field. This also applies for svt Middle East Fire Protection Trading LLC, based in the United Arab Emirates, which supplies numerous customers in the construction industry with reliable fire protection solutions from Flamro.

Flamro is committed to the development of innovative preventive structural fire protection products. With high-quality penetration seals, cable ducts, fire protection bandages, coatings and collars, Flamro reliably ensures building safety in case of fire. As a result, operational failures and environmental damage are prevented worldwide and, above all, human lives and property are protected.

Your benefits with Flamro as experts in passive fire protection

Flamro has decades of experience in preventive fire protection. This is evident in the practical processing and application of our products as well as in the development of new FLAMRO® products at our own research department in Germany.

With Flamro, you will find reliable “Made in Germany” fire protection solutions that comply with international standards, laws, and guidelines. In this regard, we have particularly high standards for the quality of our holistic solutions.

Flamro is a globally operating manufacturer of preventive fire protection products. We not only ensure consistent quality and international certifications, but also a steadily growing network to provide customised support around the world.

At Flamro, the topic of sustainability is very close to our hearts. Accordingly, our products are manufactured in line with the latest findings in the areas of occupational health and safety and environmental protection. As a result, Flamro offers you tested quality according to high standards.

Internationally recognised fire protection certifications

As a globally operating company, Flamro aligns itself with a wide range of fire protection certifications. Our passive fire protection products and systems comply with various international standards – both industry-specific and cross-sectoral. We provide solutions certified according to UL 1479/ASTM E814, UL 2079/ASTM E1966, FM 3971, and EN 1366, among others. The high standards of our products and systems are achieved through meticulous preliminary testing at our own fire testing facilities and recognised certification from renowned and accredited testing laboratories. Trust in “Made in Germany” quality.

The FLAMRO® UL Product Guide

Find the right fire protection solution quickly and directly – online! The Flamro® UL Product Guide is a practical tool designed to facilitate decision-making in passive structural fire protection. Step by step, it will take you to the optimum fire protection system for your specific needs.

The FLAMRO® UL Product Guide is available at:
flamro.com/mena/services/product-guide



Areas of application

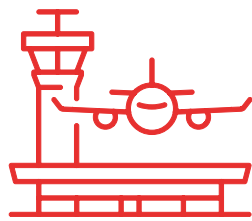
General Information

Today's buildings are home to cable and cable systems of the most varied types, sizes and orientations. Countless cable systems catering to different requirements run through public buildings, industrial plants, power stations and other high-tech facilities. Many cables lie open on cable support systems, others are routed through cable tunnels or hidden behind wall and floor cladding. Cable systems run from floor to floor to provide connectivity, and they usually supply every room.

FLAMMOTECT-A is a proven protective coating for electrical cables used in various environments, including residential and public buildings, industrial plants and the offshore sector. Typical applications include hospitals, railroad stations, airports, production plants, power stations, heavy industry and nuclear facilities. The coating is suitable for all types and sizes of cables, regardless of their overall conductor cross-section, and can be applied both individually and in bundles. Cable support structures such as cable trays or cable ladders can also be coated.



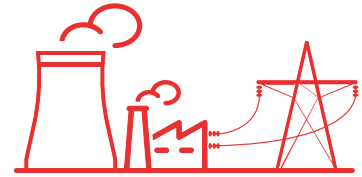
Industrial sites



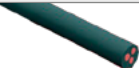
Infrastructure projects



Public buildings



Energy supply & distribution

Media lines		Application
	Electrical, data and telecommunication lines of any type	Without restriction on the size of a cable's total conductor cross-section – and regardless of whether cables are routed or arranged vertically, horizontally or at an angle.
	Cable bundles	
	Cable support structures	Non-combustible cable trays or cable ladders of Class A1 and A2-s1, d0 as per DIN EN 13501-1 – whether routed or arranged vertically, horizontally or at an angle.

DG-CR 0.7 is a product used worldwide to protect cable systems in building construction, industrial and offshore facilities. It is used in hospitals, railroad stations, airports, power stations, substations and heavy industry. The bandage is suitable for all types of cables and wires, regardless of the overall conductor cross-section, and can be used both individually and in bundles. It is suitable for cables that run vertically, horizontally or at an angle and can also be applied to cable support systems such as trays or ladders as well as to cables that are freely suspended or attached directly to structural elements.

DG-CR 0.7 is always a valuable solution when it takes great effort or when it is not possible at all to clean the cables. With the bandage applied to the cables, cleaning them will not be necessary anymore. Likewise DG-CR 0.7 is particularly efficient when cables need to be frequently changed. Subsequent installations, removals or substitution of cables is made easy by simply opening the bandage. Special applications such as airless devices will not be necessary. These and many other benefits make DG-CR 0.7 a highly useful application for many specific requirements and also a perfect alternative to conventional cable coating.

Fire protection on cable systems

Electrical cables are prone to self-ignition as a result of overheating or short circuiting; they can also be set on fire by exposure to external fire or heat. Cable sheaths and insulation materials are usually combustible so that fire will spread along the cables with lightning speed.

Heat-induced melting of plastic cable sheaths causes burning dripping to occur and is accompanied by a release of toxic and corrosive fire gases that can lead not only to the destruction of technical systems and other materials, but also to life-threatening flue gas poisoning.

Any such incidents must be effectively prevented so as to minimise damage and counteract aftermath.



Comparative fire behaviour of cable trays (from left to right)

Coated with FLAMMOTECT-A,
wrapped with DG-CR 0.7, unprotected cables

FLAMMOTECT-A has been awarded with a large number of country- and industry-specific product and application approvals

DG-CR 0.7 is widely certified and approved for a large scope of applications in various countries and industries.



DNV·GL



FLAMMOTECT-A – Highlights at a glance

Easy to use and versatile

- ✓ FLAMMOTECT-A is available in different viscosities – the level of viscosity can be adjusted as desired by adding water; viscosity also depends on the intensity of stirring (thixotropy)
- ✓ Even thick layers can be applied in one operation, which enables cost-effective application
- ✓ Applicable with an airless spray device
- ✓ Formulated for indoor and outdoor use
- ✓ No electrical derating required
- ✓ Awarded with multiple approvals for use in nuclear facilities
- ✓ No impact on other building materials such as polyethylene (PE) and polyvinyl chloride (PVC), steel, stainless steel or aluminium

Excellent resistance

- ✓ Resistant to moisture, freeze-thaw cycling, UV radiation as well as various oils and chemicals
- ✓ Saltwater-approved
- ✓ No spalling of material under mechanical stress, high flexibility of the coating
- ✓ High flexibility and adhesion tested to EN ISO 1519 (cylindrical mandrel, 5 mm in diameter)

High-quality fire protection – Made in Germany

- ✓ Solvent-free, contains no halogens
- ✓ Free of asbestos, lead, mercury, hexavalent chromium and polybrominated biphenyl ether
- ✓ Does not release toxic fumes
- ✓ Classified as non-hazardous material in acc. with the German Ordinance on Hazardous Substances ("GefStoffV")
- ✓ Monitored by national and international accredited certification bodies



DG-CR 0.7 – Highlights at a glance

Easy and clean application

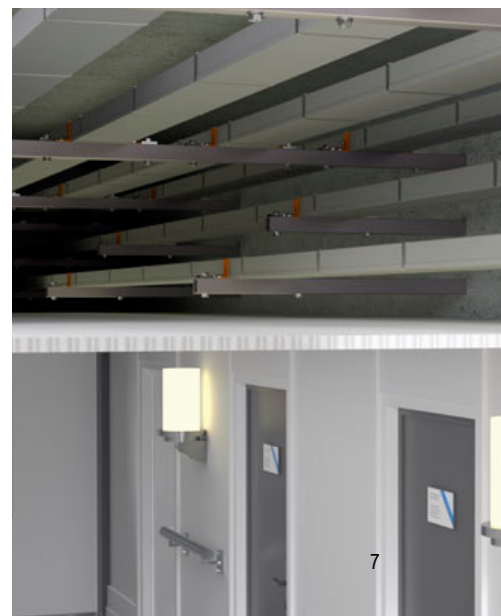
- ✓ No need for time-consuming measures to protect the working environment
- ✓ No prior cleaning of cable systems required
- ✓ Only one workstep necessary – no need to observe drying times
- ✓ Simple application has a positive effect on installation quality and safety – no risk of a coating that might be too thin
- ✓ No need to measure film thickness
- ✓ No need for special equipment such as airless devices
- ✓ Subsequent installation, removal or change of cables made easy by simply opening the bandage

High resilience

- ✓ High resistance to weathering – suitable for indoor and outdoor use
- ✓ Resistance to moisture, freeze-thaw cycles, UV radiation as well as various oils and chemicals

High quality fire protection product – Made in Germany

- ✓ Solvent-free, halogen-free
- ✓ Free of asbestos, lead, mercury, hexavalent chromium and polybrominated biphenyl ether
- ✓ Does not release toxic fumes
- ✓ Non-hazardous material in acc. with the German Ordinance on Hazardous Substances (GefStoffV)
- ✓ Supervised by national and international accredited certification bodies



FLAMMOTECT-A – References



Lusail CP 1 Tunnel Katar

Project: Installation of Cable Coatings and Penetration Sealing systems for High-Voltage Cables up to 66 kV
Product: FLAMMOTECT-A Cable Coating
Application: Penetration Sealing Systems
Standard: FM 3971



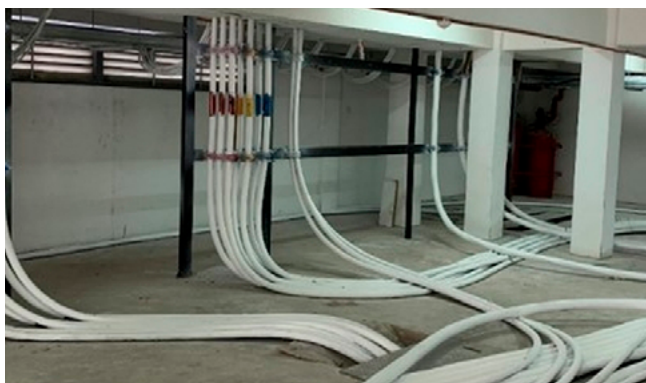
Shoaiba Power Plant Saudi Arabia

Project: Installation of Cable Coatings and Penetration Sealing Systems
Product: FLAMMOTECT-A Cable Coating
Application: Penetration Sealing Systems
Standard: EN 1366



Siam Cement Group Thailand

Project: Several Cement Plants in Thailand and Cambodia
Products: FLAMMOTECT-A Cable Coating and
FLAMMOTECT Penetration Sealing Systems
Application: Coating for high- and medium-voltage cables, fire protection systems for building entrances
Standard: IEC 60332-3-22 Kat. A, EN 1366-3



Tenaga Nasional Berhad (TNB) Malaysia

Project: 32 kV and 33 kV Transformer Substations
Product: FLAMMOTECT-A Cable Coating
Application: Coating for high- and medium-voltage cables
Standard: IEC 60332-3-22

Refinaria des Sines Portugal

Project: Cable Coatings in a Petrochemical Plant
Product: FLAMMOTECT-A Cable Coating
Application: Coating for high-voltage, medium-voltage cables and control lines
Standard: FM 3971



Pumpspeicherkraftwerk Goldisthal Germany

Project: Pumpspeicherkraftwerk (pumped-storage power plant) Goldisthal
Products: FLAMMOPLAST KS 1, FLAMMOTECT-A Cable Coating and Cable Ducts
Application: Penetration Sealing Systems



DG-CR 0.7 – References

Tanjong Kiderong Power Plant Malaysia

Project: 400 MW combined cycle gas turbine plant
Product: DG-CR 0.7 cable bandage
Application: Strengthening of high and medium voltage cables
Standard: IEC 60332-3-22



Exchange 106 Tower, Kuala Lumpur Malaysia

Project: Construction of a skyscraper with 106 floors
Product: DG-CR 0.7 cable bandage
Application: Strengthening of high and medium voltage cables as well as control cables
Standard: IEC 60332-3-22



FLAMMOTECT-A – product data, tests & documentary evidence

FLAMMOTECT-A is an ablative fire protection coating. In the event of a fire, FLAMMOTECT-A will absorb thermal energy and split off crystalline-bound water, thus exerting a cooling effect on the cable and its surroundings. The endothermic reaction starts at approx. 170 °C. Furthermore, a protective layer is created in the process so as to insulate the surface and reduce the intensity of the fire impact on the coated material.

Product data



Delivery and packaging

Description	Art. No.	Container*	Pails/Pallet	Net Weight/Pallet
FLAMMOTECT-A Coating	01155131	12,5 kg pail	40 pcs.	500 kg
	01155150	15 kg pail	32 pcs.	480 kg
FLAMMOTECT-A Solid Emulsion	01155136	12,5 kg pail	40 pcs.	500 kg
	01155151	15 kg pail	32 pcs.	480 kg

*Further container sizes are available upon request

- Store at room temperature (+5 °C to +30 °C).
- Protect from frost!
- 18 months minimum shelf life if stored unopened and properly.
- Classified as a non-hazardous substance in acc. with the German Ordinance on Hazardous Substances ("GefStoffV") and

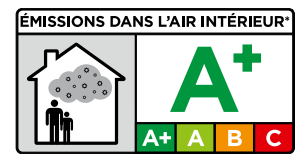
as a non-dangerous good in acc. with the German Ordinance on the Carriage of Dangerous Goods by Road ("GGVS") and with the European Agreement on the International Carriage of Dangerous Goods by Road ("ADR").

Key physical and chemical properties

State of aggregation		Liquid or pasty, resp.	
Colour		White	
Smell		Almost odourless	
pH-value		7.0 - 7.8	
pH solution		10 % in water	
Dichte (bei +20 °C)		1.34 - 1.48 g/cm³	
Density (at +20 °C)	Coating	6000 - 10 000 mPa·s	(The level of viscosity can be adjusted by adding water)
	Solid emulsion	25 000 - 40 000 mPa·s	
Non-volatile matter		66 - 86 % as per EN ISO 3251	
Loss of mass on heating		38 - 48 % as per EN ISO 3451-1 / EOTA TR024 at 400 °C for 30 minutes	
LOI (Limited Oxygen Index)		52 - 58 % as per ISO 4589; sample thickness 1.5 mm	
Flexibility of the coating		5 mm as per EN ISO 1519; sample thickness 1.5 mm	
Fire behaviour		Class E as per EN 13501-1	

Safety, health and environmental protection

- ✓ Contains no PBT/vPvB substances > 0.1 %, assessed in accordance with REACH Annex XIII
- ✓ Contains no substance subject to the restrictions of Annex XVII of the REACH Regulation
- ✓ Contains no REACH candidate substance
- ✓ Contains no substance listed in REACH Annex XIV
- ✓ Contains no substances subject to Regulation (EU) 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals
- ✓ Contains no substances subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants
- ✓ Contains no substances subject to Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer
- ✓ Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors
- ✓ FLAMMOTECT-A is rated as class A+ as per the French VOC regulation (Eurofins Product Testing, Report No. 392-2021-00490501)



Fire protection and fire behaviour

Fire Protection	Class E	• As per EN 13501-1
Flame spread	Cat. A: 2018 for 60 min. Dry film thickness > 0.5 mm	• As per IEC 60332-3-22 (DNV GL Certificate No. TAE00003BN)
	Cat. A for 60 min. Dry film thickness > 1.0 (PE); 1.4 mm (PVC)	• GOST IEC 60332-3-22
	Class Rating: A (0-25 flame spread, 0-450 smoke-developed) Flame spread index: 15 Smoke-developed index: 60	• ASTM E84
Circuit integrity maintenance	Multiple tests up to 180 min. for different cable types and voltage ranges	• As per IEC 60331-21
FM Approval Class 3971	FM Approvals – Certificate of Compliance Certified dry film thickness of 1.6 mm	
Smoke density	$D_s(4) = 81$, VOF4 = 154 min., $D_s(\text{max}) = 85$ $D_s \text{ Average} = 174,36$	• As per DIN EN ISO 5659-2 • As per ASTM E 662
Smoke toxicity	$CIT_G = 0,20$ (Conventional Index of Toxicity) No release of HCl, HF, HBr, HCN	• EN 45545-2 Annex C and ISO 5659-2

Electrical parameters and measurement values

Cable heating	No electrical derating required	• As per FM Approval Class 3971
	Thermal comparison of coated and uncoated cables. Temperature difference < 2 %	• GOST IEC 60332-3-22
	No temperature difference between coated and uncoated cables while under current for 8 hours	• Test Report No. 00541 Elektrisches Prüfamnt München (Electrical Testing Office, Munich)
Dielectric strength	Leakage current < 5.0 mA between conductor and outer sheath during high-voltage test	• As per FM Approval Class 3971
Surface resistance	≥ 1000 MΩ	• As per DIN VDE 0427/05.85, Section 503-4.2

Resistance properties

Resistant to ageing	The essential properties of FLAMMOTECT-A are not affected by ageing	
	Artificial ageing without impairment Indoor/Outdoor use: Temperature extremes alternating between +71 °C and -40 °C, UV irradiation and humidity	• As per FM 3971 • As per EOTA TR024
	Long-term ageing without impairment Outdoor use: The material was exposed to natural weathering for 5 years with-out exhibiting any change in fire behaviour (MPA Nordrhein-Westfalen (notified body 0432), Report No. 230006109-1) Indoor use: The material was stored indoors for 10 years without exhibiting any change in fire behaviour (MPA Braunschweig (notified body 0761), Report No. 3224/821/11)	
Resistant to weathering	Use category X (product suitable for use in areas exposed to natural weathering)	• As per EOTA TR024
Resistant to salt water	Long-term exposure to salt water	• As per FM 3971 • As per EOTA TR024 • As per EN ISO 2812-1
Resistant to radiation	Classified as radiation-resistant at a radiation dose of 1.0×10^6 Gy (108 rad)	
Resistant to aggressive deactivation media	Approved to withstand various types of deactivation media, e. g. nitric acid, sodium hydroxide, boric acid	

Chemical resistance as per DIN EN ISO 2812-1

The resistance to chemicals of FLAMMOTECT-A was determined based on DIN EN ISO 2812-1 (Paints and varnishes – Determination of resistance to liquids – Part 1: Immersion in liquids other than water).

The test series covers the most common chemicals that may be present in vulnerable areas. The scope of testing ranges from short-term exposure (e. g. resulting from accidental contact for usually no longer than 30 minutes) to sustained exposure (measured with an exposure time of 28 days).

The coated cable samples were directly exposed to the respective chemical for 80 % of their length. After exposure, the samples were cleaned with distilled water, dried for 24 hours and then evaluated for coating integrity.

Evaluation criteria

Complete resistance is intact, no changes occur	+++
Resistance is intact, slight changes are visible	++
Resistance is still intact, visual and minor mechanical changes occur	+
Resistance is no longer intact, mechanical changes restrict functionality	–
Resistance is no longer intact, the chemicals partially destroy the coating	--

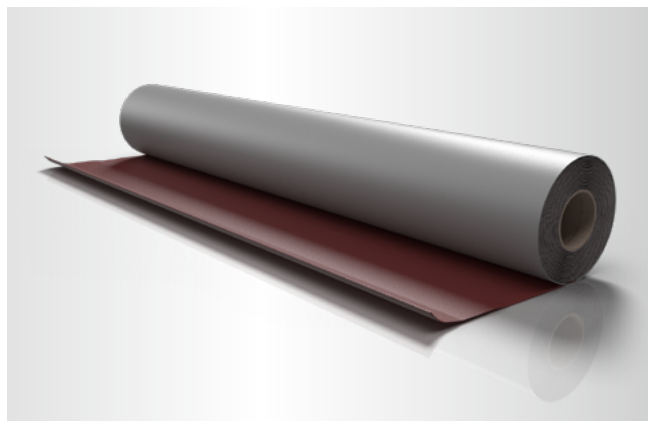
Chemical	Concentration	Short-term exposure	Sustained exposure
Boric acid	5 %	+++	+++
Acetic acid	undiluted	--	--
	10 %	+++	-
Nitric acid	undiluted	+++	--
	10 %	+++	--
	1 %	+++	+++
Hydrochloric acid	undiluted	+++	--
	10 %	+++	++
	1 %	+++	+++
Sulphuric acid	undiluted	+++	--
	10 %	+++	+++
	1 %	+++	+++
Phosphoric acid	undiluted	+	--
	10 %	++	--
	1 %	+++	--
Potassium chloride	10 %	+++	+++
Potash lye	50 %	++	--
	10 %	+++	--
	1 %	+++	+++
Caustic soda	50 %	+++	-
	10 %	+++	-
	1 %	+++	+
Sodium chloride	10 %	+++	+++

Chemical	Concentration	Short-term exposure	Sustained exposure
Ammonia	undiluted	+++	--
	3,5 %	+++	--
Hydrogen peroxide	undiluted	--	--
	3 %	+++	--
Seawater	3 %	+++	+++
Soda	10 %	+++	+++
Tap water	undiluted	+++	+++
Urea	undiluted	+++	+++
Formaldehyde	30 %	+++	+++
	3 %	+++	+++
Hydrogen fluoride	undiluted	--	--
Butyl acetate (ester)	undiluted	++	--
Acetone	undiluted	+++	+
Isopropyl alcohol	undiluted	+	--
Methanol	undiluted	++	--
Ethanol	undiluted	++	+
	20 %	+++	+
Butanol	undiluted	++	--
White spirit, aromatics-free	undiluted	+++	++
White spirit	undiluted	+++	++
Glycerine	undiluted	+++	++
Fuel oil/Diesel	undiluted	+++	++

DG-CR 0.7 – Product data, tests and certificates

The intumescent material DG-CR 0.7 is based on expandable graphite. When exposed to reaction temperature (starting from 150 °C) it will expand with high pressure and substantially increase its volume. Additional components form an insulating layer, which will wrap itself tightly around the cables, seal the cross section of the support system and extinguish the fire.

Product data



Delivery and packaging

Product name	Item number	Form of delivery	Rolls/pallet	Net weight/pallet
DG-CR 0.7	01260201	20 m roll (22 m ²), width 110 cm	22 pcs.	572 kg
Metal strap	01234000	100 m roll, width 15 mm, thickness 0.2 mm	–	–
Locking clamp	01234100	1000 pcs. box	–	–

- Store indoors in a dry place.
- Horizontal rolls must be protected from pressure loads.
- Unlimited storage is possible as long as appropriate conditions are observed.

Basic physical and chemical properties

Colour	grey outside / red inside
Material	fabric coated on the inside with intumescent layer
Nominal thickness	0.7 mm
Weight per unit area	approx. 700 – 950 g/m ²
Reaction temperature	from approx. 150 °C
Expansion rate	15.5 to 22.0 times (tested on 2 mm thick samples at 550 °C for 30 min. with superimposed load)
Expansion pressure	1.00 N/mm ² to 1.65 N/mm ²

Design variants

	Wrapping for entire cable support structures		Wrapping for cables in support structures
	Wrapping for cable systems placed directly on solid components		Wrapping for cable systems fastened with clamps or on brackets
	Wrapping for freely suspended cable systems		

Fire protection and reaction to fire

Reaction to fire	Class B-s1, d0	• in acc. with EN 13501-1
Flame spread	Cat. A: 2018 für 120 min.	• in acc. with IEC 60332-3-22 (DNV GL Certificate No. TAE00003BR)
	Cat. A: 2018 für 120 min.	• GOST IEC 60332-3-22
Maintenance of functional integrity	Tests up to 180 min. for various cable types and voltage ranges.	• in acc. with IEC 60331-21
Smoke density	$D_s(4) = 12$, $VOF4 = 31$ min., $D_s(\max) = 18$	• in acc. with DIN EN ISO 5659-2
Smoke toxicity	CITG = 0.20 (Conventional Index of Toxicity) No HCl, HF, HBr or HCN emission	• EN 45545-2 Annex C and ISO 5659-2

Resistances

Ageing resistance	Ageing does not have an effect on the general properties of DG-CR 0.7	
	Artificial ageing without impairment Indoor/outdoor areas: extreme temperature changing from +71 °C to -40 °C, UV radiation and humidity	• in acc. with FM 3971 • in acc. with EOTA TR024
	Long-term ageing without impairment Indoor areas: the material was stored for 10 years in an indoor area without any resulting changes in its reaction to fire (MPA Braunschweig (notified body 0761), report no. 3224/821/11).	
Weather resistance	Use category X (product suitable for use in areas exposed to weathering).	• in acc. with EOTA TR024
Chemical resistance	Exposure to solvents (butyl acetate, butanol, white spirit and heating oil). Exposure to subsequently applied coatings (acrylic dispersions, alkyd resins, polyurethane acrylic and epoxy resins).	• in acc. with EOTA TR024

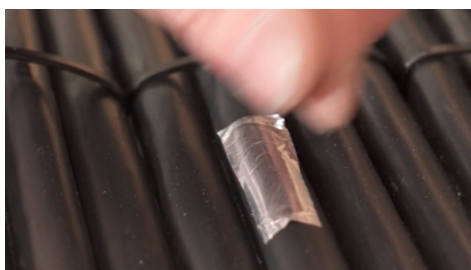
FLAMMOTECT-A – Installation steps



Clean dust and dirt from the cables/cable support structures, then degrease them thoroughly with a neutral cleaner.



Cover or mask-tape the floors, walls and electrical equipment.



Make preparations for proper subsequent measurement of the coating's layer thickness. For example, wrap metal tape around the cable or arrange metal plates in place against which the coating's dry film thickness can later on be measured.



Apply FLAMMOTECT-A evenly to all exposed surfaces. Hard-to-reach surfaces can be coated with the help of accessories, e. g. extension tubes and articulated nozzles.



After the coating has cured (completely dried), determine its dry film thickness with a measuring device.



Remove the tape and covers, clean the installation area and (if applicable) attach the identification label.

Application and workability properties

Type of application	Coating	Thin-layer application			
	Solid emulsion	Thick-layer application			
Application procedure		• Spreading with a brush or roller • Spraying with an airless spray device • Recommendation for application: • Coating: Recommended nozzle bore > 0.019" = 0.48 mm • Solid emulsion: Recommended nozzle bore > 0.021" = 0.53 mm • Pressure: 150 - 180 bar			
Consumption (example)		Solid content (weight)	Application quantity [g/m²]	Film thickness [mm]	
		66 - 86 %		wet	dry
			1000	approx. 0.9	approx. 0.5
			2000	approx. 1.8	approx. 1.0
			3200	approx. 2.9	approx. 1.6
		4000	approx. 3.6	approx. 2.0	
Drying times bei +23 °C at and 65 % rel. humidity		Dust-dry (touch-dry)	Recoatable with itself	Fully cured	
	Coating	min. 4 hours	min. 8 hours	min. 4 days	
	Solid emulsion	min. 4 hours	min. 8 hours	min. 4 days	
	Filler	min. 6 hours	–	min. 10 days	

Installation video

Be sure to watch the **installation video** of FLAMMOTECT-A and of other penetration sealing systems in full length!



DG-CR 0.7 cable bandage – Installation steps



Measure the cable support system and cut the bandage to fit support areas. Allow for the bandage overlapping by ≥ 50 mm in longitudinal and transverse directions.



Wrap the bandage strips with the coated side facing inwards around the support system in the supported areas and restrain them temporarily with duct tape.



Wrap the bandage around protruding cables.



Wrap the bandage around all other areas.



Secure the bandage with metal straps against slipping. Use at least two straps per bandage strip.



Clean the workplace and attach a label if required.

Installation video

Watch the full installation **video** for DG-CR 0.7 and other fire protection systems.



We look forward to hearing from you!

svt Products GmbH**svt Middle East Fire Protection Trading LLC**

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