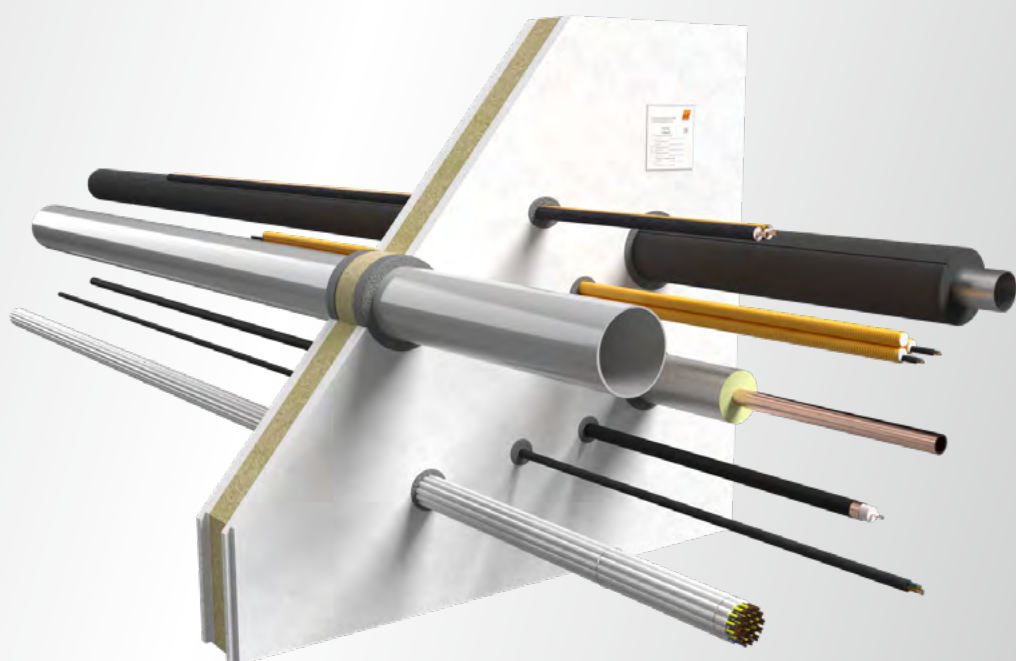




*Protect what matters.*



**NEW!**  
Even larger  
& more versatile  
scope of  
services

## PYRO-SAFE® System DG-SC

A simple solution for sealing electrical installations  
as well as combustible and non-combustible pipes.

# svt – Your Full-Service Provider for Passive Structural Fire Protection

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The svt group of companies has been one of the leading full-service providers in the area of passive structural fire protection for more than 50 years. We offer an extensive portfolio of state-of-the-art fire protection products and applications worldwide. This includes both simple penetration sealing solutions and complex combined penetration seals as well as solutions for fire protection joints or protecting entire cable systems.

Our own research & development, production and furnaces at six locations as well as international branches and a partner network covering 50 countries make comprehensive support possible on the basis of certified fire protection solutions, which can be tailored to your individual market requirements if required.

This makes us a powerful partner for your success!



## The svt Product Guide

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Find the right fire protection solution quickly and directly online.

With the svt Product Guide, we offer you a practical tool to simplify the complex decision-making process relating to passive structural fire protection and guide you step by step to the right fire protection system for your individual requirements.

You can find the svt Product Guide at: [svt-global.com/productguide](https://svt-global.com/productguide)





## Passive Fire Protection & Penetration Seals

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Passive fire protection serves to prevent a fire or to impede its spread. For this reason buildings are subdivided into various fire compartments and separated by fire resistant structural elements. Since these compartments are generally penetrated by supply lines, the penetration openings need to be sealed with certified fire protection products. Only thus can the fire resistance of the entire structural element be preserved.

With PYRO-SAFE® DG-SC, svt offers a product to seal electrical installations and pipes for up to 120 minutes in a particularly simple way. For this purpose, the gap around the cables and pipes is optionally filled with loose mineral wool and then sealed with fire protection filler. PYRO-SAFE® DG-SC can be inserted directly from the cartridge. Additional measures are not required.

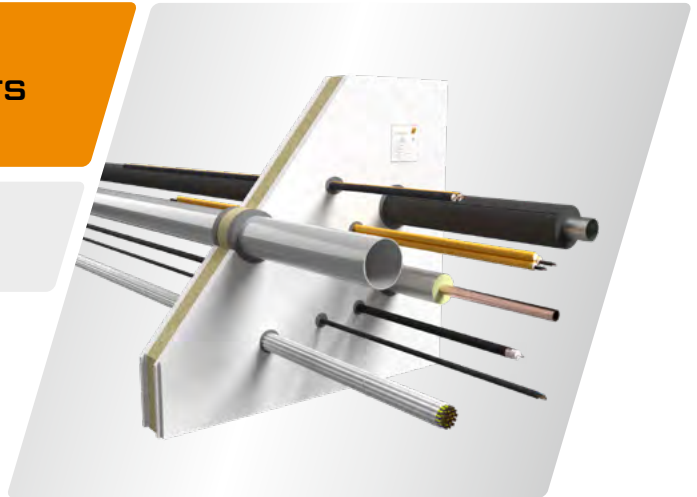


# PYRO-SAFE® System DG-SC

A simple solution for sealing electrical installations as well as a great variety of pipes from various manufacturers.

**Installation in plasterboard walls, solid walls, solid floors and shaft walls**

**Fire Resistance Class:**  
max. EI 120 in acc. with EN 13501-2

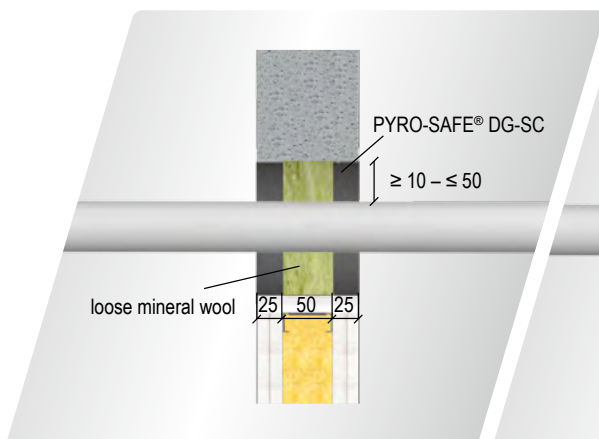


## System Data

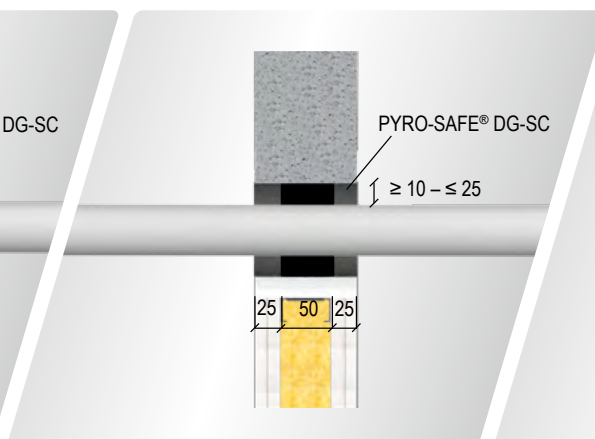
Certificate of usability		ETA-19/0704
Thickness of structural element	wall	$\geq 100$
	shaft wall	$\geq 40$
	floor	$\geq 150$
Sealing thickness	wall	$\geq 100$
	shaft wall	$\geq 40$
	floor	$\geq 150$
Size of annular gap	wall/floor	$\geq 10 - \leq 25/50$
	shaft wall	$\geq 10 - \leq 25$
Depth of annular gap per side	wall/floor	$\geq 25$
	shaft wall	$\geq 20$

All specifications in mm

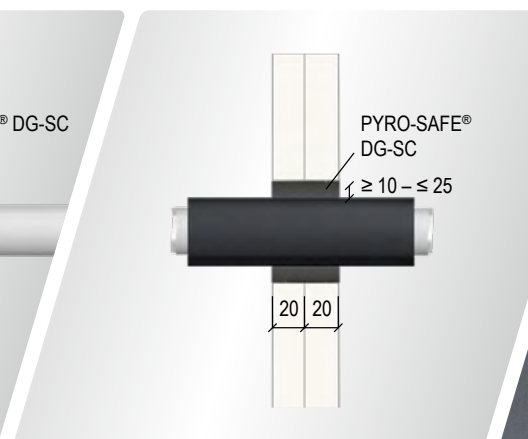
## Design Variants



Wall with backfilling











Wall without backfilling



Shaft wall



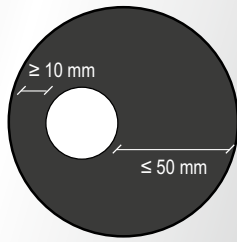
## Allowed Services

Media lines			max. diameter*
	Cables		≤ 61
	Cable bundles		≤ 180 / ≤ 21
	EIC	single	≤ 32 / ≤ 21
	EIC	bundles	≤ 100 / ≤ 32 / ≤ 21
	Coaxial cables		≤ 51.1
	Combustible pipes		≤ 110
	Multilayer pipes		≤ 75
	Non-combustible pipes with mineral fibre insulation		≤ 114.1 (steel) ≤ 88.9 (copper)
	Non-combustible pipes with FEF insulation		≤ 54
	HVAC split line combinations		✓

\*All specifications in mm

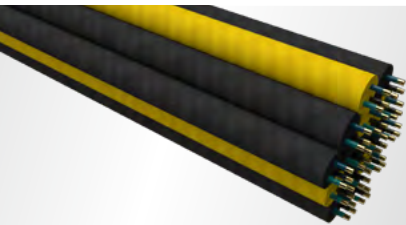


# System Highlights



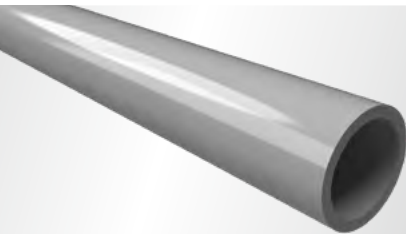
## Flexible size of annular gap

- With PYRO-SAFE® System DG-SC you can solve practically any kind of installation situation – even in the case of non-central penetrations. With an annular gap of  $\geq 10 - \leq 50 \text{ mm}$  it is possible to seal anything.



## Cables/cable bundles/electrical installation conduits/coaxial cables

- A unique possibility to seal cable bundles  $\varnothing \leq 180 \text{ mm}$  and coaxial cables with a fire resistance period of 120 minutes (EI 120).



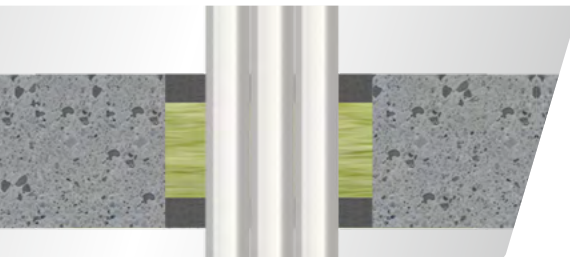
## Combustible pipes

- The largest classified scope of performance for combustible pipes
- Plastic pipes with a diameter of up to 75 mm open/open certified up to EI 120-U/U



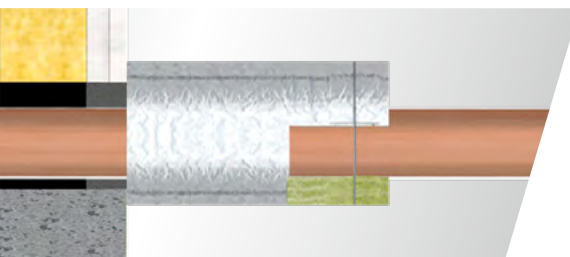
## Installation in shaft walls

- For the first time it is possible to install certified multilayer pipes with FEF insulation in shaft walls.
- An unlimited number of pipes can be installed in line at zero distance.



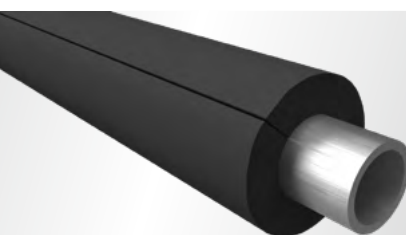
## Non-combustible pipes

- It is possible to install non-insulated steel pipes in floors at zero distance – an essential advantage for solving complex situations on the construction site.



## Non-combustible pipes with sectional insulation

- The LI variant (local interrupted section insulation) is a simple solution for complex installation situations. Especially when the remaining annular gap makes it impossible for an insulation to pass through the penetration's cross-section.



## Applicable with any kind of FEF insulation

- All commercially available types of FEF insulation can be used. They only need to conform to the EN 14304 standard and meet class B-s3,d0 (EN 13501-1) for reaction to fire.



## Your Benefits

- ✓ Flexible annular gap size 10–50 mm
- ✓ Sealing of annular gap with or without using mineral wool for backfilling
- ✓ Zero distance for multilayer pipes in shaft walls
- ✓ Plastic pipes certified up to EI 120 U/U (open/open)

## A Simple Sealing Method with a Large Scope of Services

- ✓ Only PYRO-SAFE® DG-SC and optionally mineral wool are required for sealing
- ✓ No additional measures required
- ✓ No need to clad reveals

## High Quality Fire Protection Product – Made in Germany

- ✓ Solvent-free, halogen-free
- ✓ Resistant to humidity and UV radiation
- ✓ Resistant to solvents and subsequently applied coatings



*Protect what matters.*

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