



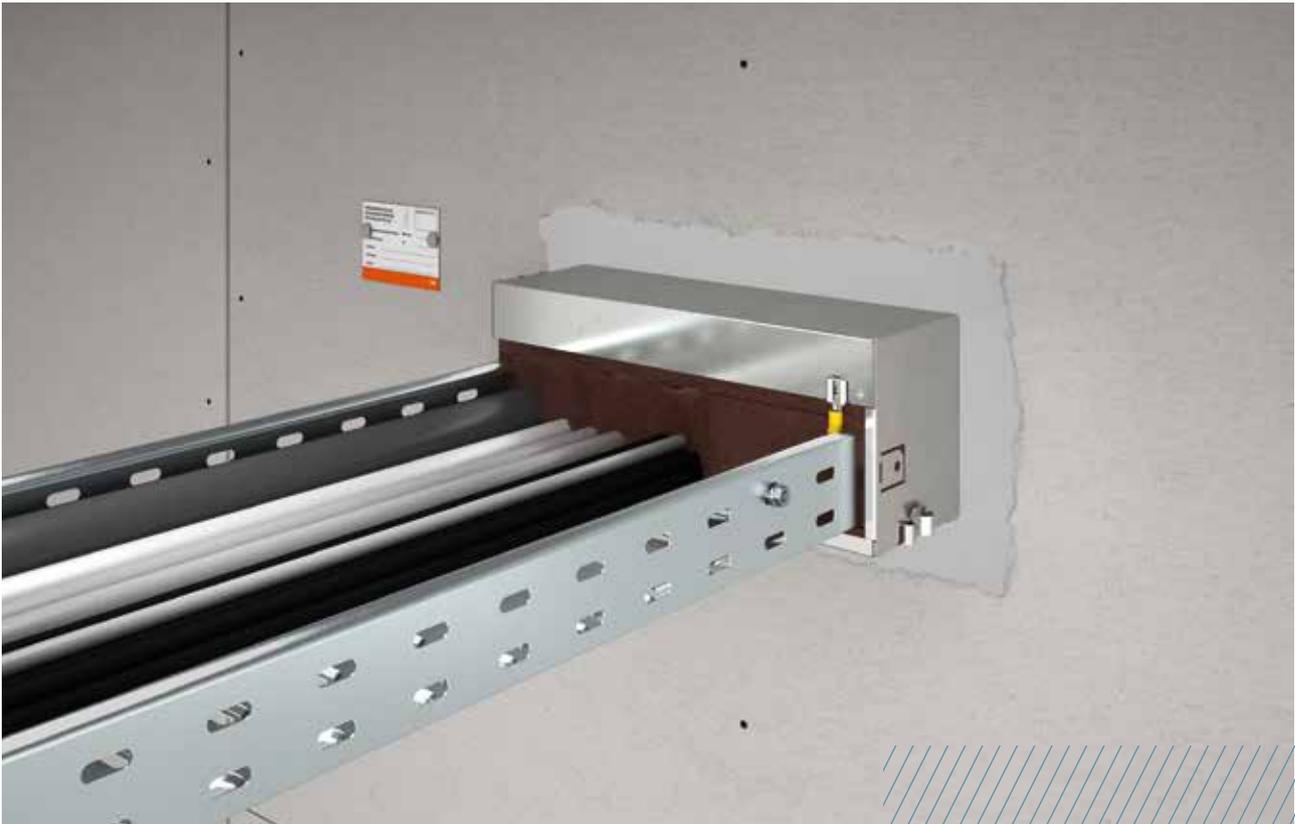
# PYROPLUG<sup>®</sup> MagicBox

Modular system for simple and safe fire insulation



## Stays tight when things get hot.

If there is a fire, then the flames must be kept to a small area. The smoke may not travel through the building unimpeded. The new PYROPLUG® MagicBox insulation system from OBO ensures that the spread of fire and smoke is limited effectively and that ceiling and wall penetrations are closed reliably using dependable installations. For simple, flexible insulation of cables and pipes in a manner conformant with the approval – even in the raw construction phase or for changing retro-assignments.



## So that nothing burns

The new OBO insulation system contains a robust, practical and error-tolerant fire protection inlay made of foam, which expands during a fire without any significant pressure development. Here, an insulating carbon foam forms, which reliably prevents the penetration of fire and smoke through the cable insulation.

## The benefits of the PYROPLUG® MagicBox

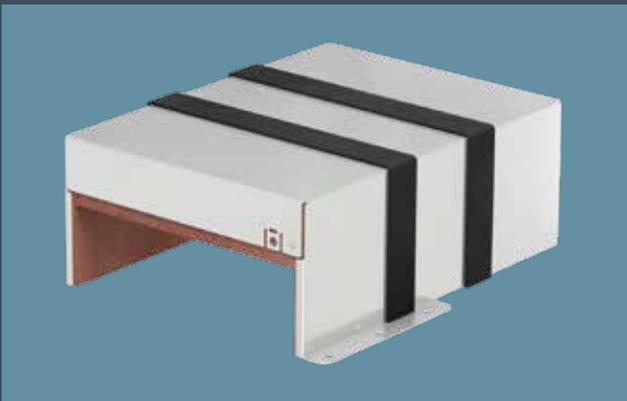
- Completely assignable interior
- Uniquely large dimensions
- High level of application safety during execution
- Practical click-closure (4-sided variant) for flexible installation
- Ideal for retro-assignments and frequently changing assignments
- Simple planning for use during the raw construction phase
- Insulation system with European testing and classification

# Thought-out down to the last detail

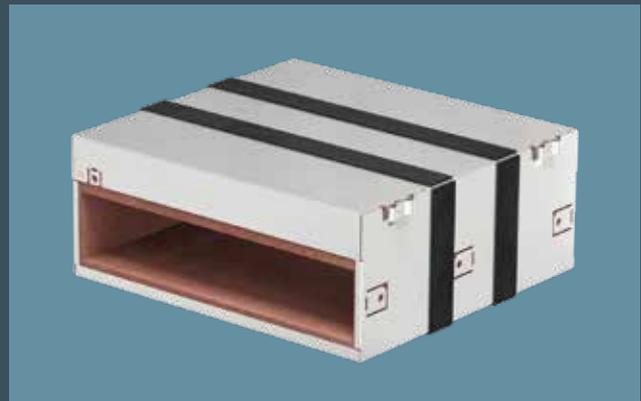
The new PYROPLUG® MagicBox is a complete, high-quality, modular system, which offers installation engineers particularly flexible fire insulation. The interior of the MagicBoxes can be fully assigned with installations. In addition, they are particularly suitable for the creation of cable support systems with widths of up to 600 mm. Inlay blocks of forgiving foam can be used for larger cavities or for use as reserve insulation. The graphite strips contained in the scope of delivery are attached to the MagicBox at the width of the compo-

nent. If there is a fire, these foam up, reliably closing the resulting gap around the MagicBox.

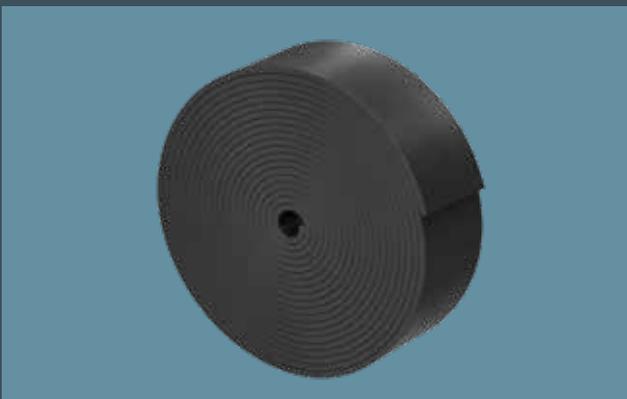
The perfectly matched portfolio of different heights and widths can cover any application and also offers fire protection boxes with a particularly large interior. They can be arranged in groups with two boxes on top of each other or two boxes next to each other.



3-sided box



4-sided box



Graphite strip



Fire protection inlay



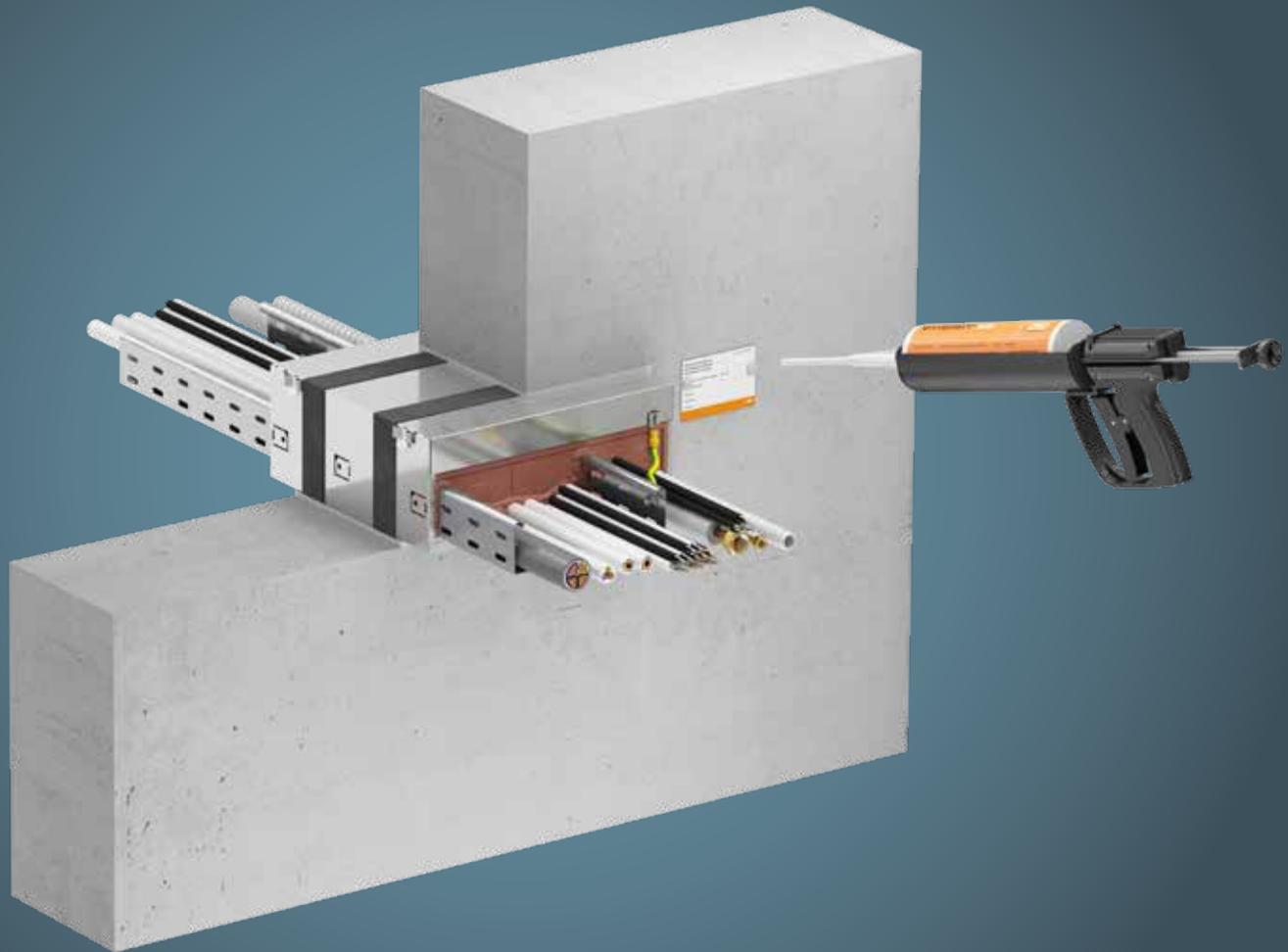
## Fire insulation? Foam up!

PYROSIT® NG is the perfect system addition and mandatory component for optimum residual closure. This is used to create cable and combination insulation made of fire protection foam. If there is a fire, the foam expands, forming an insulating layer which prevents the spread of fire. The special recipe of the 2-component foam allows simple, “pinpointed” processing, particularly with complex geometries.



# It just goes click!

## 4-sided PYROPLUG® MagicBox variant



The new 4-sided variant of the OBO fire protection box consists of a two-part stainless steel housing with intumescent fire protection inlays. It can be used as an insulation system in walls and ceilings. Their releasable Magic connection means they are very quick to mount. Simply click the halves of the housing together, insert them in the component opening and mortar them in. Side straps secure the correct position of the PYROPLUG® MagicBox, allowing safe mortaring.

## The installation principle



Assemble the box



Measure the wall thickness and apply the graphite strips at the appropriate distance



Insert the box in the wall opening



Mask and mortar the box tidily



Insert the cut inlay block into the larger cavities



Completely close the cavities with PYROSIT® NG fire protection foam



Connect the equipotential and apply the identification plate



Group formation possible with two boxes on top of each other or two boxes next to one another



Fasten ceiling insulation variant using unfolded flaps

# Wall, ceiling, floor.

## 3-sided PYROPLUG® MagicBox variant



In the 3-sided variant, the PYROPLUG® MagicBox consists of a single-part stainless steel housing with intumescent fire protection inlays. This variant can be used as an insulation system in walls, on raw floors and beneath system floors and as insulation for rising sections in ceilings. The stainless steel housing offers very quick mounting. Simply insert in the component opening and mortar in. With this variant too, the side straps ensure the fire protection box is in the correct position, enabling safe mortaring.

## The installation principle



Measure the wall thickness and apply the graphite strips at the appropriate distance



Insert the box into the wall opening and fasten in the base



Mask the box



Mortar in the box tidily



Insert the cut inlay block into the larger cavities



Completely close the cavities with PYROSIT® NG fire protection foam



Connect the equipotential and apply the identification plate



Group formation possible with two adjacent boxes



Variant as ceiling insulation using rising sections

# Good to know:

## Basic fire insulation information



Electrical cables and pipes may only be run through walls and ceilings at the ends of rooms when there is a guarantee that they do not present an opportunity for fire and smoke to spread. Set against this background, the installations required for ceiling and wall penetrations must be reliably sealed. This is done using insulation systems, which effectively prevent the spread of fire and smoke.

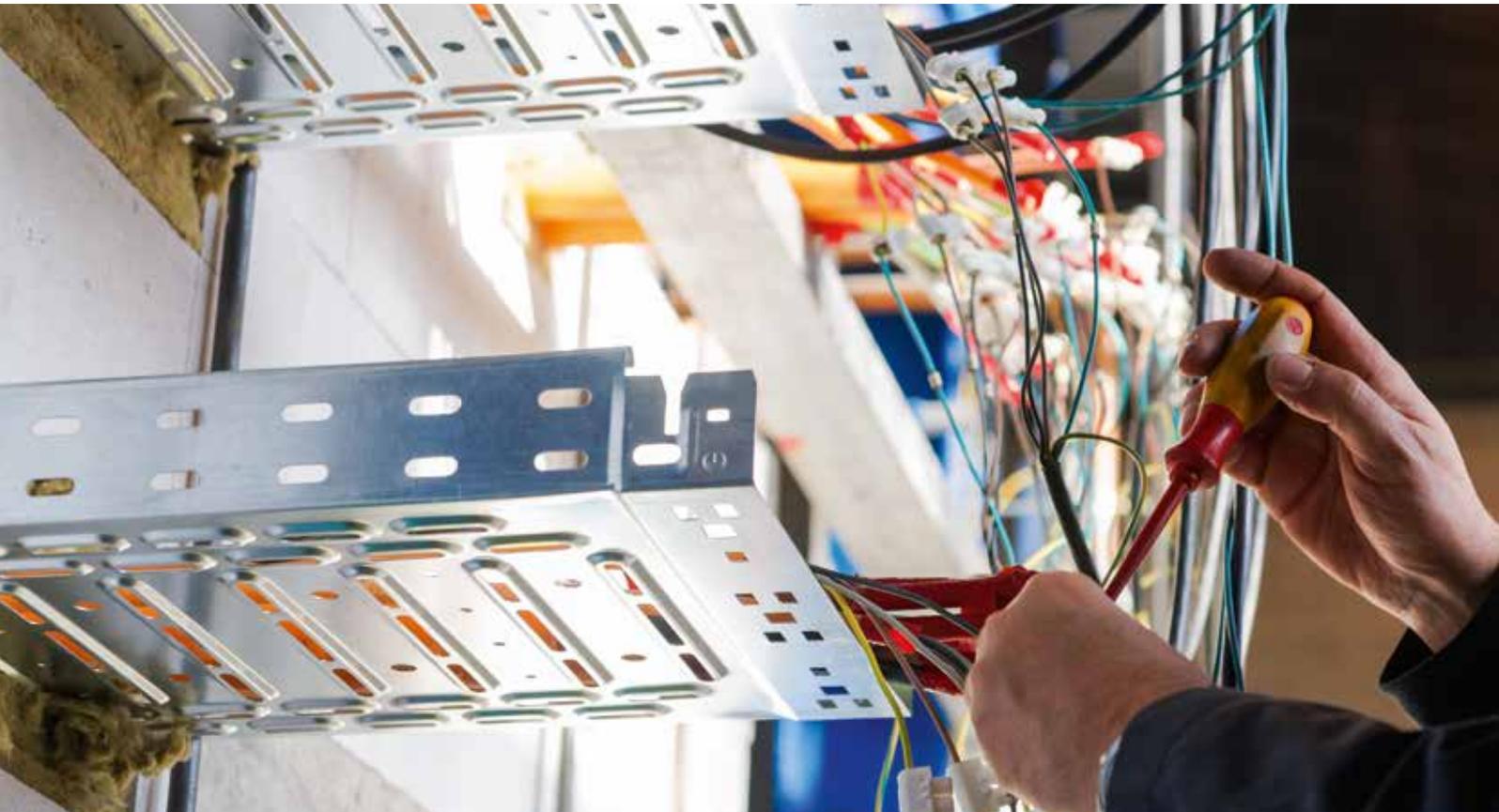
### The following requirements apply to cable penetrations through firewalls:

- The spread of fire and smoke must be prevented.
- Room closure must be guaranteed.
- On the side of the insulation away from the fire, the surfaces of cables, pipes, cable support systems and the surface of the insulation may not heat up to an impermissible level.



**OBO Construct:**  
Fire insulation  
configured simply

# Tested quality for more safety



The PYROPLUG® MagicBox is a construction product with CE labelling and has the fire resistance class EI90 (fire-resistant). The effect or application of insulation systems required by law must be proven through tests.

## Tests

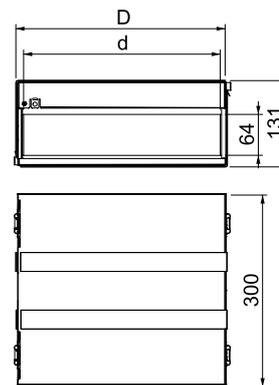
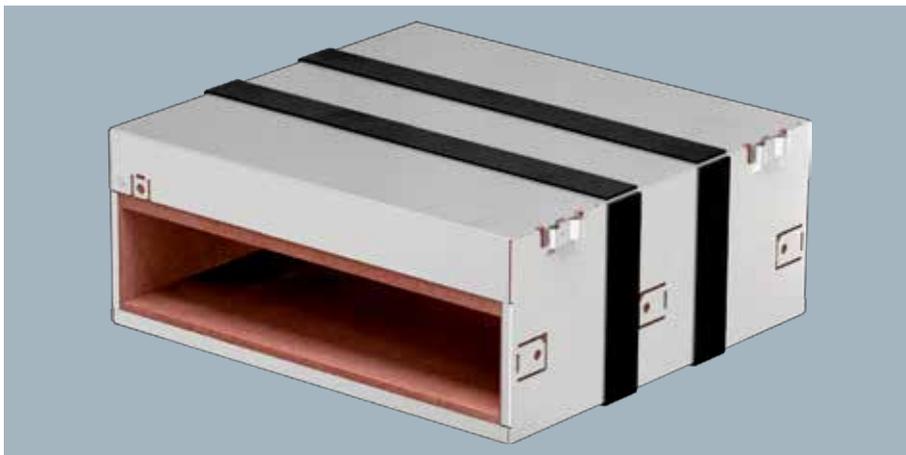
The insulation system is subject to special tests, in which the sample installations to be tested are heated up according to a standard temperature-time curve. This curve is internationally standardised according to ISO 834-1 and used around the world for fire tests. It forms the so-called "flashover", which is the most critical phase of a fire. After the smouldering phase of a fire, all the combustible gases located in the fire chamber ignite suddenly, meaning that the temperature rises very quickly. The installations must withstand this full fire.

## Classifications

After tests are passed successfully, the results are documented by the testing institutes and the systems classified, e.g. according to the results of EN 13501. In most European countries, this classification report can be used as a proof of suitability in conjunction with the manufacturer's mounting instructions.

**PYROPLUG® MagicBox, four-sided, interior height 60 mm**

VA 2B

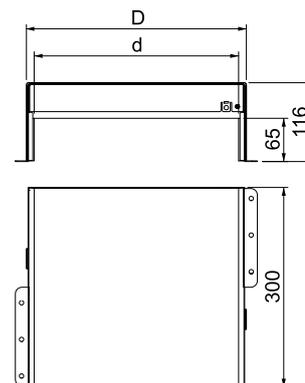
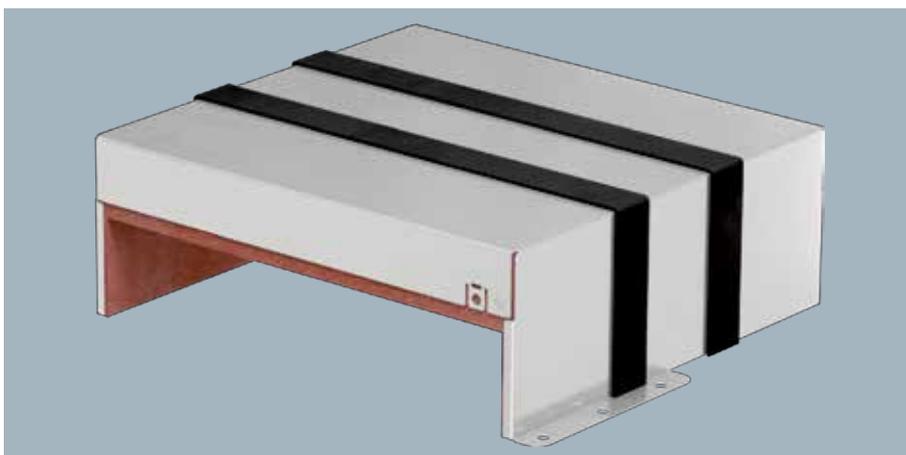


Type	Length mm	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
		D mm	d mm			
<b>PMB 610-4 A2</b>	300	123	105	1	219.200	<b>7204000</b>
<b>PMB 620-4 A2</b>	300	223	205	1	331.500	<b>7204004</b>
<b>PMB 630-4 A2</b>	300	323	305	1	432.800	<b>7204008</b>
<b>PMB 640-4 A2</b>	300	423	405	1	563.100	<b>7204012</b>
<b>PMB 650-4 A2</b>	300	523	505	1	677.400	<b>7204016</b>
<b>PMB 660-4 A2</b>	300	623	605	1	768.600	<b>7204020</b>

Fire protection box as an insulation system, made of a two-part stainless steel housing with intumescent fire protection inlays. Can be used in walls and ceilings. Quick mounting through the releasable Magic connection. Interior can be fully assigned with installations. Closure of the residual openings with PYROSIT® NG fire protection foam, particularly simple for difficult geometries. CE-labelled construction product with general type approval. Fire resistance class EI90 (fire-resistant). Including graphite strip.

**PYROPLUG® MagicBox, three-sided, interior height 60 mm**

VA 2B

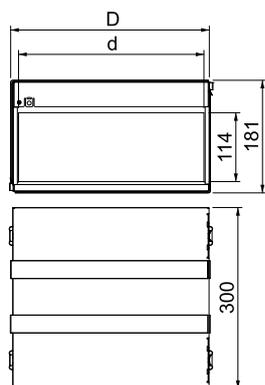


Type	Length mm	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
		D mm	d mm			
<b>PMB 610-3 A2</b>	300	123	105	1	158.000	<b>7204030</b>
<b>PMB 620-3 A2</b>	300	223	205	1	233.400	<b>7204034</b>
<b>PMB 630-3 A2</b>	300	323	305	1	309.800	<b>7204038</b>
<b>PMB 640-3 A2</b>	300	423	405	1	383.100	<b>7204042</b>
<b>PMB 650-3 A2</b>	300	523	505	1	459.700	<b>7204046</b>
<b>PMB 660-3 A2</b>	300	623	605	1	536.700	<b>7204050</b>

Fire protection box as insulation system, made of a single-part stainless steel housing with intumescent fire protection inlays. Can be used in walls, on raw floors, beneath system floors and as insulation of rising sections in ceilings. Interior can be fully assigned with installations. Closure of the residual openings with PYROSIT® NG fire protection foam, particularly simple for difficult geometries. CE-labelled construction product with general type approval. Fire resistance class EI90 (fire-resistant). Including graphite strip.

VA 2B

**PYROPLUG® MagicBox, four-sided, interior height 110 mm**

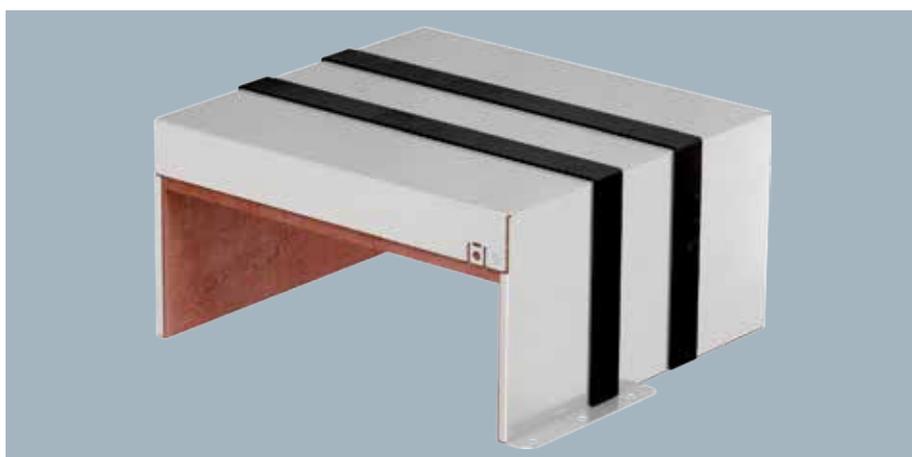
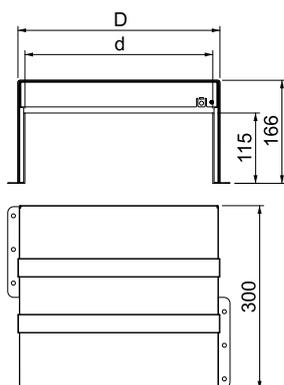


Fire protection box as an insulation system, made of a two-part stainless steel housing with intumescent fire protection inlays. Can be used in walls and ceilings. Quick mounting through the releasable Magic connection. Interior can be fully assigned with installations. Closure of the residual openings with PYROSIT® NG fire protection foam, particularly simple for difficult geometries. CE-labelled construction product with general type approval. Fire resistance class EI90 (fire-resistant). Including graphite strip.

Type	Length mm	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
		D mm	d mm			
<b>PMB 110-4 A2</b>	300	123	105	1	281.900	<b>7204120</b>
<b>PMB 120-4 A2</b>	300	223	205	1	394.200	<b>7204124</b>
<b>PMB 130-4 A2</b>	300	323	305	1	495.400	<b>7204128</b>
<b>PMB 140-4 A2</b>	300	423	405	1	625.700	<b>7204132</b>
<b>PMB 150-4 A2</b>	300	523	505	1	740.000	<b>7204136</b>
<b>PMB 160-4 A2</b>	300	623	605	1	831.300	<b>7204140</b>

VA 2B

**PYROPLUG® MagicBox, three-sided, interior height 110 mm**



Fire protection box as insulation system, made of a single-part stainless steel housing with intumescent fire protection inlays. Can be used in walls, on raw floors, beneath system floors and as insulation of rising sections in ceilings. Interior can be fully assigned with installations. Closure of the residual openings with PYROSIT® NG fire protection foam, particularly simple for difficult geometries. CE-labelled construction product with general type approval. Fire resistance class EI90 (fire-resistant). Including graphite strip.

Type	Length mm	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
		D mm	d mm			
<b>PMB 110-3 A2</b>	300	123	105	1	220.700	<b>7204150</b>
<b>PMB 120-3 A2</b>	300	223	205	1	296.000	<b>7204154</b>
<b>PMB 130-3 A2</b>	300	323	305	1	372.500	<b>7204158</b>
<b>PMB 140-3 A2</b>	300	423	405	1	445.700	<b>7204162</b>
<b>PMB 150-3 A2</b>	300	523	505	1	522.300	<b>7204166</b>
<b>PMB 160-3 A2</b>	300	623	605	1	599.400	<b>7204170</b>

## 2-component fire protection foam PYROSIT® NG

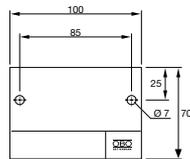


Type	Contents	Pack	Weight	Item no.
	ml	Piece	kg/100 pc.	
<b>FBS-S</b>	380	1	64.600	<b>7203800</b>

PYROSIT® NG 2-component fire protection foam in a cartridge, including 2 mixing tubes. To create cable and combination insulation; always process the coaxial cartridge 5:1 with FBS-PH or FBS-PA cartridge pistols. In dry, frost-free rooms, the cartridge can be stored closed and standing upright at temperatures from +5 °C to +30 °C for up to 12 months.

## Identification plate

PS



Type	Language	Pack	Weight	Item no.
		Piece	kg/100 pc.	
<b>KS-S DE</b>	German	1	2.400	<b>7205425</b>

Identification plate to be written on with waterproof and light-resistant felt-tip pen for fire-safe cable glands, including 2 push-fit anchors.

# Comprehensive fire protection competence

Three points are fundamentally important when saving people's lives and protecting property against fire:

- 1 Limit the spread of the fire
- 2 Secure escape and rescue routes
- 3 Maintain the functions of key electrical systems

With over 40 years of experience in fire protection, at OBO we are one of the few providers who cover all three protection aims of construction fire protection: The basis for this comprehensive competence is a unique, very diverse product range. With OBO systems, planners and operators have the perfect components for the complete fire protection and maintenance of electrical function of their buildings.



**You can contact our Customer Service department on:**  
**+49 (0)2371 7899-2000**

Monday–Thursday 07.30–17.00  
Friday 07.30–15.00



**Take a look for yourself:**  
OBO fire protection solutions  
for every protection aim

You can find more information on the PYROPLUG® MagicBox, and learn about OBO's wide-ranging expertise in fire protection, at **obo-bettermann.com**.

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