



# SIKA PASSIVE FIRE PROTECTION SOLUTIONS

BUILDING TRUST





## SIKA SOLUTIONS TAME THE ELEMENT

Fire has been a fascinating element for thousands of years and many achievements in the history of mankind were only possible with its help. Uncontrolled fire however, can destroy buildings and lives within minutes if measures are not put in place to control its powerful and elementary force.

The role of Passive Fire Protection systems is to contain the fire to its point of origin. Compartmentalising a building into smaller sections to prevent the spread of fire and smoke throughout the building provides occupants more time for evacuation and minimises building damage.

Sika provides comprehensive solutions where fire resistant construction is required such as commercial, public and residential buildings, steel structures and others. Fire resistant sealants, fillers and backing materials for linear seals as well as solutions for penetration seals, enable safer buildings and infrastructure to be built. Our products comply with the latest relevant standards and can be used for a wide range of fire protection uses in linear seals, cavity barriers and penetration seals.

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### AUSTRALIAN STANDARDS

Sika Australia's current range of Passive Fire Protection products are tested & approved to Australian Standards

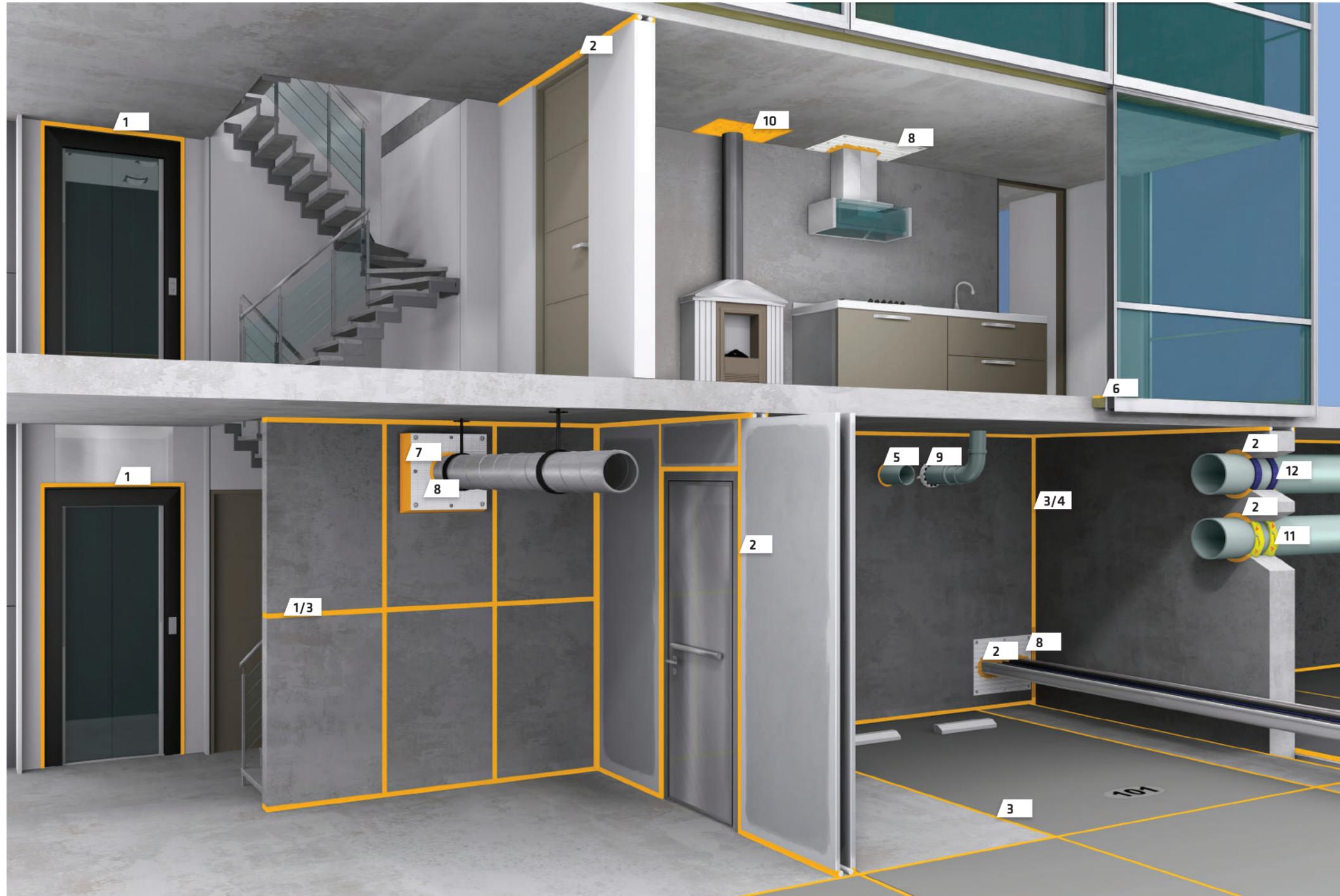
AS1530.4 : "Methods for fire tests on building materials, components and structures – Fire-resistance tests of elements of building construction".

AS4072.1 : Components for the protection of openings in fire-resistant separating elements service penetrations and control  
(a) around penetrations through separating building elements that are required to have a FRL or, if applicable, a resistance to the incipient spread of fire; and  
(b) at control joints between building elements that are required to have a FRL

Please check Test Report data for specific approvals and to ensure compliance for each application.

# SIKA PASSIVE FIRE PROTECTION

Typical applications



- |   |  |
|---|--|
| <p><b>1</b><br/><b>Sikasil®-670 Fire</b><br/>Fire resistant silicone sealant for linear seals in walls and floors</p> <p><b>2</b><br/><b>Sikacryl®-621 Fire</b><br/>Fire resistant acrylic sealant for service penetration and joint seals</p> <p><b>3</b><br/><b>Sika® Backer Rod Fire</b><br/>Fire resistant mineral wool based backer rod system for linear seals</p> <p><b>4</b><br/><b>Sikaflex®-400 Fire</b><br/>Fire resistant PU sealant for linear seals and penetrations</p> <p><b>5</b><br/><b>SikaSeal®-623 Fire</b><br/>Fire resistant intumescent sealant for penetration seals</p> <p><b>6</b><br/><b>Sikacryl®-624 Fire</b><br/>Fire resistant acrylic sealant/coating for floor and wall intersections</p> | <p><b>7</b><br/><b>Sikacryl®-625 Fire</b><br/>Fire resistant ablative coating for SikaSeal®-626 Fire Board</p> <p><b>8</b><br/><b>SikaSeal®-626 Fire Board</b><br/>Fire resistant coated protection board</p> <p><b>9</b><br/><b>SikaSeal®-627 Fire Collar</b><br/>Fire resistant pipe collar</p> <p><b>10</b><br/><b>Sikacrete®-630 Fire</b><br/>Fire resistant load bearing compound</p> <p><b>11</b><br/><b>SikaSeal®-628 Fire Wrap</b><br/>Fire resistant pipe wrap</p> <p><b>12</b><br/><b>SikaSeal®-629 Fire Wrap</b><br/>Fire resistant pipe wrap on a roll</p> |
|---|--|

# SIKA PASSIVE FIRE PROTECTION

Sika's global product range

**1 (Australian range)**

**Sikasil®-670 Fire**

Fire resistant silicone sealant for linear seals in walls and floors

**2 (Australian range)**

**Sikacryl®-621 Fire**

Fire resistant acrylic sealant for service penetration and joint seals

**3 (Australian range)**

**Sika® Backer Rod Fire**

Fire resistant mineral wool based backer rod system for linear seals

**4 (Australian range)**

**Sikaflex®-400 Fire**

Fire resistant PU sealant for linear seals and penetrations

**5 (Australian range)**

**Sika Boom®-FR**

Fire resistant expansion foam for linear seals

**6 (Australian range)**

**SikaSeal®-623 Fire**

Fire resistant intumescent sealant for penetration seals

**7 (Australian range)**

**Sikacryl®-624 Fire**

Fire resistant acrylic sealant/coating for floor and wall intersections

**8 (Australian range)**

**Sikacryl®-625 Fire**

Fire resistant ablative coating for SikaSeal®-626 Fire Board

**9 (Australian range)**

**SikaSeal®-626 Fire Board**

Fire resistant coated protection board

**10 (Australian range)**

**SikaSeal®-627 Fire Collar**

Fire resistant pipe collar

**11**

**Sikacrete®-630 Fire**

Fire resistant load bearing compound

**12**

**SikaSeal®-628 Fire Wrap**

Fire resistant pipe wrap

**13**

**SikaSeal®-629 Fire Wrap**

Fire resistant pipe wrap on a roll

**Sika® Firerate**

Fire resistant ablative acrylic sealant for linear gaps and joints seals



Sika's high performance Passive Fire Protection range, confidently services the passive fire sector by providing innovative and compliant fire rated solutions, worldwide.

# Sikasil®-670 Fire

Fire resistant silicone sealant for linear seals in walls and floors



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



## Description

Sikasil®-670 Fire is a fire resistant, elastic, neutral curing silicone sealant for interior and exterior joints in walls and floors.

## Uses

- Movement and connections joints in fire compartments like stair cases, corridors etc. (walls, floors and head to wall)
- Connections between concrete and steel elements
- Connections between concrete and wooden elements

## Advantages

- Fire resistance tests under 25% movement
- Tested and classified according to many different fire resistance standards
- Up to 4 hours fire resistance
- Good adhesion to most substrates
- Neutral curing
- 1-part, ready to use

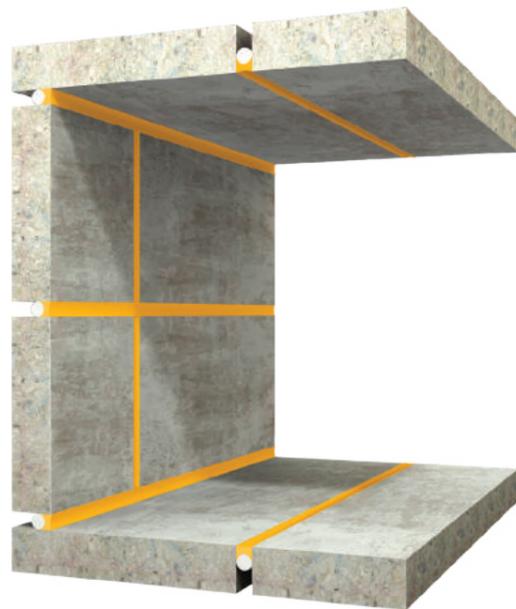
## Approvals, Certificates

- AS1530.4
- ETA acc. EAD-350141-00-1106
- EN 1366-4
- EN 13501-2
- BS 476-20
- UL EU
- UL 2079
- Certifire
- EN 10140-2
- EN 15651-1, -4
- ISO 11600 F 25 LM
- ASTM C 920 class 25

## Packaging

- Cartridges 300 ml, 12 pc/box

- Colours**
- Grey



# Sikacryl®-621 Fire

Fire resistant acrylic sealant for service penetration and joint seals



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



## Description

Sikacryl®-621 Fire is a fire resistant, phthalate-free acrylic sealant for interior joints and penetration seals in walls and floors.

## Uses

- Restores the fire resistance performance of walls incorporating penetration services.
- Can be combined with SikaSeal®-626 Fire Board, SikaSeal®-627 Fire Collar.

## Advantages

- Extremely versatile, can be combined with many other Sika passive fire protection products
- Provides acoustic insulation
- 1-part ready to use, easy to apply, easy to clean
- Up to 4 hours fire resistance

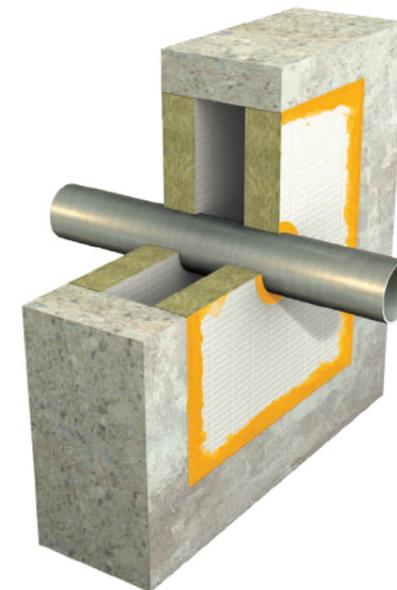
## Approvals, Certificates

- AS1530.4 & AS4072.1
- ETA acc. EAD-350141-00-1106
- ETA acc. EAD-350454-00-1104
- EN 1366-4, EN 1366-3
- EN 13501-2
- UL EU
- Certifire
- EN 10140-2
- EN 15651-1
- Ecodecode EC1 Plus
- LEED Attestation

## Packaging

- Cartridges 300 ml, 12 pc/box
- Foil packs 600 ml, 12 pc/box

- Colors**
- Grey



# Sika® Backer Rod Fire

Fire resistant mineral wool based backer rod system for linear seals



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



## Description

Sika® Backer Rod Fire is a workable, fire resistant, high density mineral wool fibre backing material, wrapped with a glass-fibre yarn. For approved interior and exterior joints in walls and floors. Sika® Backer Rod Fire is used in combination with SikaHyflex®-250 Facade.

## Uses

- Larger joint sealing up to 50mm in horizontal and vertical building structures.
- Linear seals in fire compartments like stair cases, industrial facilities, warehouses, etc.
- Used in conjunction with SikaHyflex®-250 Facade.

## Advantages

- Adapts all irregularities of the joint
- Up to 4 hours fire resistance
- Efficient application from rolls

## Approvals, Certificates

- AS1530.4
- ETA acc. EAD-350141-00-1106
- EN 1366-4
- EN 13501-2
- UL EU

## Packaging

- 7 different diameters on rolls
- 25 - 50 m per roll, depending on diameter

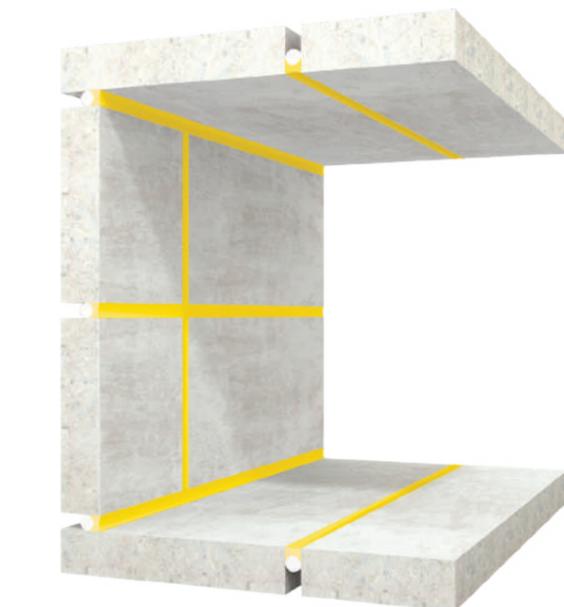
## Colors

- Green



Joint Width	Diameter Sika Backer Rod Fire
7 - 10.2 mm	12 mm
9 - 12.7 mm	15 mm
12 - 17 mm	20 mm
16 - 25.5 mm	30 mm
24 - 34 mm	40 mm
32 - 42.5 mm	50 mm
40 - 51 mm	60 mm

Joints need to be deep enough to accommodate appropriate size Sika Backer Rod Fire, plus sealant depth.



# Sikaflex®-400 Fire

Fire resistant PU sealant for linear seals and penetrations



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



## Description

Sikaflex®-400 Fire is a fire resistant, elastic sealant for interior and exterior joints in walls and floors as well as penetration seals in walls.

## Uses

- Movement and connections joints in fire compartments like stair cases, corridors etc. (walls, floors and head to wall)
- Penetration seals in rigid fire compartment walls

## Advantages

- Can be used for fire resistant joints and standard building joints
- Provides acoustic insulation

## Approvals, Certificates

- AS 1530.4
- EN 1366-4
- EN 13501-2
- ASTM C920 class 35
- EN 15651-1
- ISO 11600
- AS 1191, ISO 10140-1
- LEED Attestation

## Packaging

- Foil packs 600 ml, 20 pc/box

## Colors

- Concrete grey



# Sika Boom®-FR

Fire resistant expansion foam for linear seals



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



### Description

SikaBoom®-FR is a high yield, fire rated polyurethane expanding foam for linear joints in walls and floors. Gun or nozzle applied

### Uses

- Joints in fire compartment walls

### Advantages

- High yield thermal insulation
- Easy application
- Cured foam can be cut, trimmed and sanded
- Fast curing
- Up to 4 hours fire resistance

### Approvals, Certificates

- AS 1530.4

### Packaging

- Cans 750 ml, 12 pc/box

### Colours

Pink



# Sika® Firerate

Fire rated joint sealant



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



### Description

Sika® Firerate is a fire resistant, 1-part, ablative acrylic joint sealant

### Uses

- Sika® Firerate is designed for fire rated movement and connection joints on porous and non-porous substrates. It is suitable for interior applications.

### Advantages

- Up to 4 hours fire resistance according to AS 1530.4
- Very good resistance to weathering
- Movement capability of ± 20 %
- Easy to smooth and very good workability
- Good adhesion to many different substrates
- Water clean-up of uncured sealant

### Approvals, Certificates

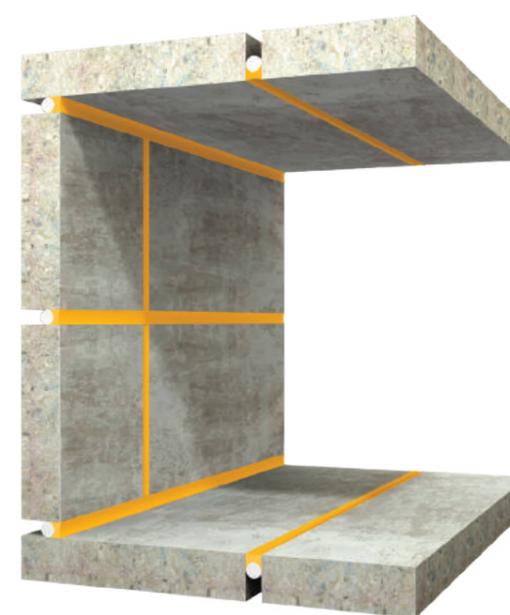
- AS 1530.4
- ISO 717:1 Rw (Ctr) = 64 (-13)

### Packaging

- Cartridges 300 ml
- Foil packs 600 ml, 15 pc/box

### Colours

- Grey



# SikaSeal®-623 Fire

Fire resistant high pressure exerting intumescent sealant for penetration seals



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE

# Sikacryl®-624 Fire

Fire resistant acrylic sealant/coating for floor and wall intersections



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



### Description

SikaSeal®-623 Fire is a fire resistant, intumescent graphite based sealant for interior penetration seals.

SikaSeal®-623 Fire is designed to provide a high volume expansion and pressure seal during a fire to combustible pipes that pass through floor and wall service openings.

### Uses

Restores the fire resistance performance of a floor or wall which incorporates combustible services like soil and vent pipes or cables

### Advantages

- Highly intumescent - volume expansion 20 times original size
- 1-part ready to use, easy to apply, easy to clean
- Provides acoustic insulation
- Up to 4 hours fire resistance

### Approvals, Certificates

- ETA acc. EAD-350454-00-1104
- EN 1366-3
- EN 13501-2
- UL EU
- Certifire
- Ecode EC1 Plus
- LEED Attestation

### Packaging

- Cartridges 300 ml, 12 pc/box
- Foil packs 600 ml, 12 pc/box

### Colors

- Anthracite



### Description

Sikacryl®-624 Fire is a 1-part, fire resistant, acrylic sealant/coating for large joints in floors and floor/wall intersections in combination with mineral wool backing.

### Uses

Restores the fire resistance performance of cavity barriers and joints at floor and wall intersections

### Advantages

- Can be poured, spray- or brush-applied
- Provides acoustic insulation when used in combination with mineral wool
- Up to 3 hours fire resistance

### Approvals, Certificates

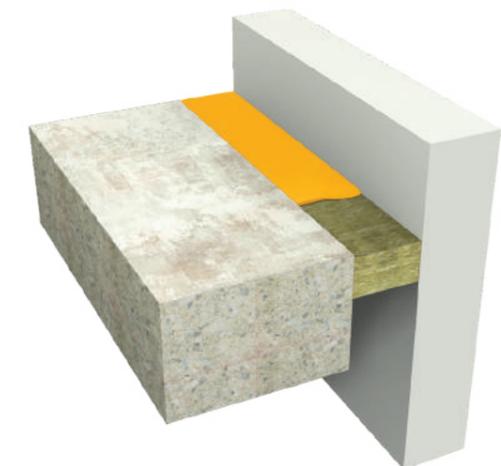
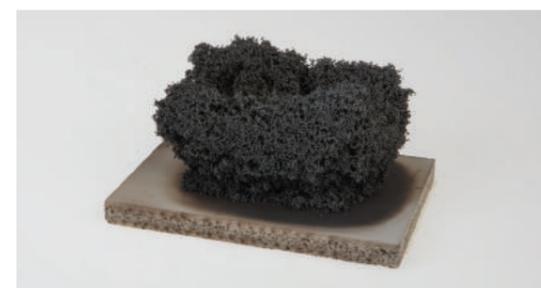
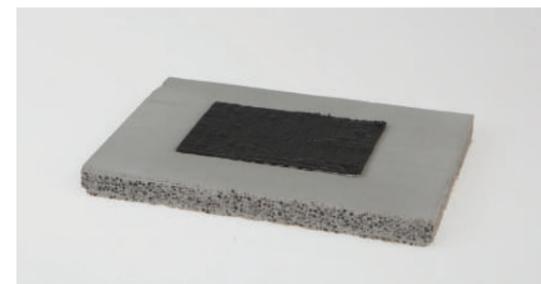
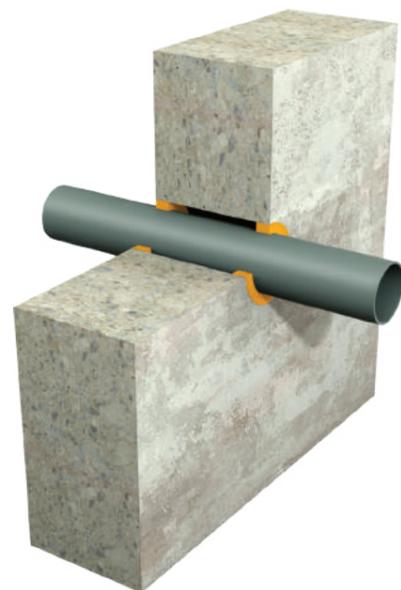
- ETA acc. EAD-350141-00-1106
- EN 1366-4
- EN 13501-2
- UL EU
- Certifire

### Packaging

- Pail with 20 kg

### Colors

- White



# Sikacryl®-625 Fire

Fire resistant ablative coating for SikaSeal®-626 Fire Board



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



## Description

Sikacryl®-625 Fire is a fire resistant, ablative acrylic coating used in combination with SikaSeal®-626 Fire Batts.

## Uses

- Edge coating of SikaSeal®-626 Fire Board when installed on the outer face of a wall or floor
- Touching up SikaSeal®-626 Fire Board after installation

## Advantages

- 1-part ready to use, easy to apply, easy to clean
- Provides a neat finish on the cut edges of SikaSeal®-626 Fire Board

## Packaging

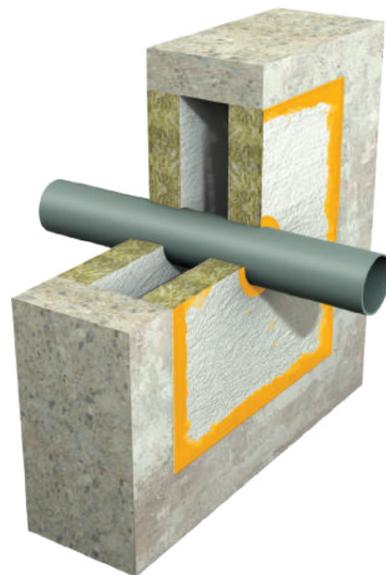
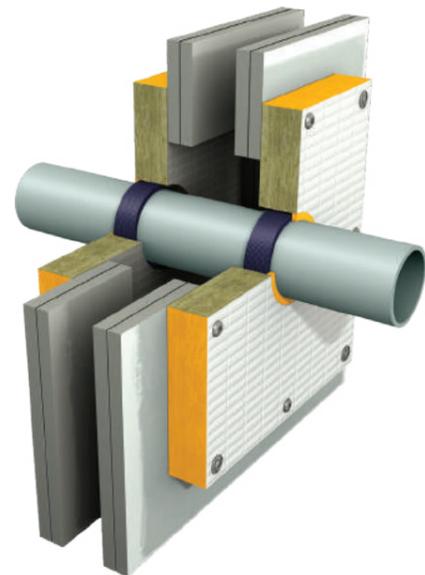
- Pail with 5 kg

## Colors

- White

## Approvals, Certificates

- AS1530.4 & AS4072.1
- EN 13501-2
- UL EU
- Certifire



# SikaSeal®-626 Fire Batts

Fire resistant high density mineral wool fibre board



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



## Description

SikaSeal®-626 Fire Batts, for simple and effective compartmentation and fire stopping in walls and floors. Consisting of high-density mineral fiber, Sika Batts easily & cost effectively seals single and multiple service penetrations in rigid and flexible fire compartment walls and fire compartment floors. Easily cut to size on site for simple friction fit applications. Raw edges on pattress fit can be sealed with Sikacryl®-625 Fire.

## USES

- Single & multiple service penetrations in rigid and flexible fire compartment walls and fire compartment floors.
- Cable trays, dampers, ventilation ducts ect. Restores the fire resistance performance of a floor or wall which incorporates single or multiple penetration services.

## Advantages

- Suitable for large openings in floors and walls
- Low cost & highly efficient fire stopping method
- For face fit (pattress-fit) & internal-fit installations
- Acoustic insulation, thermal insulation.
- Up to 56.1dB sound reduction
- Provides up to 4 hours fire & smoke barrier
- Extremely versatile, compatible with many other Sika PFP products
- Easy to install, no need for specialist's tools
- Long life & easy storage
- Approved to AS 1530.4 & EN 13566

## Combine with

- Sikacryl®-621 Fire
- SikaSeal®-623 Fire
- Sikacryl®-625 Fire
- SikaSeal®-627 Fire Collar

## Approvals, Certificates

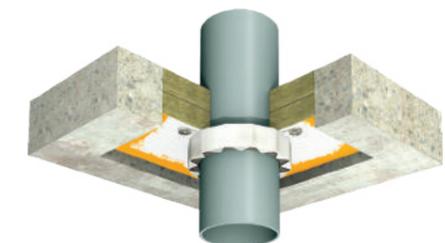
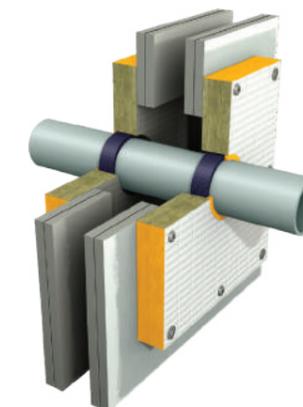
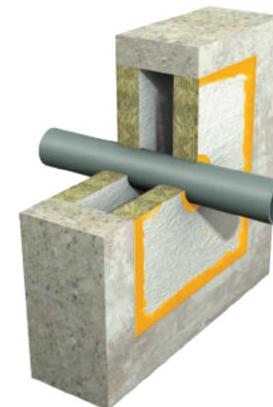
- AS 1530.4 & AS4072.1
- EN 1366-4
- EN 13501-2
- ASTM C920 class 35
- EN 15651-1
- ISO 11600
- AS 1191, ISO 10140-1
- LEED Attestation

## Packaging

- 1'200 x 600 x 50 mm, 30 boards per pallet

## Colors

- White coating
- Green core



# SikaSeal®-627 Fire Collar

Fire resistant pipe collar



PASSIVE FIRE PROTECTION  
AUSTRALIAN RANGE



#### AVAILABLE COLLAR SIZES

32 mm	100 mm
40 mm	125 mm
55 mm	140 mm
63 mm	160 mm
75 mm	200 mm
82 mm	250 mm
90 mm	

#### Description

SikaSeal®-627 Fire Collar is a fire resistant prefabricated pipe collar consisting of a metal casing and an intumescent insert for interior and exterior penetration sealing applications.

SikaSeal®-627 Fire Collar is designed to provide a high volume expansion and pressure seal during a fire to combustible pipes that pass through floor and wall service openings.

#### Uses

- Restores the fire resistance performance of a floor or wall which incorporates service openings containing metallic, plastic or composite pipes, conduits or other services
- Can be combined with SikaSeal®-626 Fire Board and Sikacryl®-621 Fire

#### Advantages

- Pipe diameter range 32 - 250 mm
- Highly intumescent - volume expansion 20 times original size
- Flexible design enables installation in confined spaces
- Easy to apply. Low profile 30-40 mm deep
- Up to 4 hours fire resistance

#### Approvals, Certificates

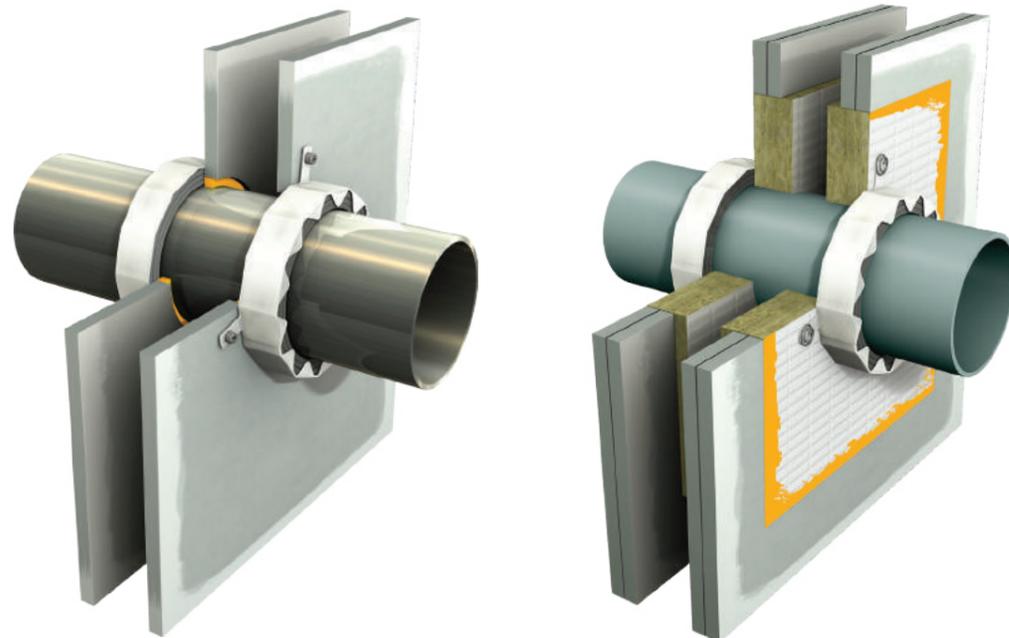
- AS1530.4 & AS4072.1
- ETA acc. EAD-350454-00-1104
- EN 1366-3
- EN 13501-2
- UL EU
- Certifire

#### Packaging

- 2 pieces per box

#### Colours

- White metal casing, anthracite insert



Advanced technology intumescent pipe collar suited to a wide range of combustible pipes. Sika's Fire Collars have been tested on PVC, Polypropylene (PP) and Polyethylene (PE). Sika's fire collars contain no fusible links or mechanical parts, guaranteeing activation in a fire situation.

## DISCLAIMER

Each project and/or application may have specific requirements. Sika® encourages you investigate these carefully. Ensure that you have read and understood the appropriate certification relative to your needs, and ensure you seek acceptance from the Certifying Authority or compliance inspector before installation. For updates on the range of Sika® certification please contact Sika Technical Services.



# GLOBAL BUT LOCAL PARTNERSHIPS



## WE ARE SIKA

Sika is a specialty chemicals company with a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing and protecting in the building sector and the motor vehicle industry. Sika's product lines feature concrete admixtures, mortars, sealants and adhesives, structural strengthening systems, flooring as well as roofing and waterproofing systems.

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F: (02) 9756 5001

## QUEENSLAND

30 Parker Court  
Pinkenba, QLD 4008  
P: (07) 3633 9222  
F: (07) 3633 9200

## QUEENSLAND

70 Platinum Street  
Crestmead, QLD 4132  
P: (07) 3489 3000  
F: (07) 3489 3099

## VICTORIA

33 Fiveways Boulevard  
Keysborough, VIC 3173  
P: (03) 9797 0600  
F: (03) 9797 0666

## SOUTH AUSTRALIA

28 Kenworth Road  
Gepps Cross, SA 5094  
P: (08) 8162 9055  
F: (08) 8162 9009

## SOUTH AUSTRALIA

1-2/28 Maxwell Road  
Para Hills West, SA 5096  
P: (08) 8349 4955  
F: (08) 8349 7061

## WESTERN AUSTRALIA

61 Bushland Ridge  
Bibra Lake, WA 6163  
P: (08) 9395 5300  
F: (08) 9395 5399