

Committed to material modification to solve the sealing pain point

## SAMPLE OF INDUSTRIAL PENETRATION SEAL RETROFITTING

Repair, renovation program

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# BRAND PROFILE

SafelySeal, founded in 2011, is a leading provider of domestic technology and innovation to solve security sealing problems and provide solutions to ensure industrial production safety.SefelySeal always takes "listening to the voice of customers" as the value, is committed to material modification to solve the sealing problem, and solves the pain points and difficulties for customers.

SafelySeal Group is a national high-tech enterprise, with fire protection, explosion proof,military-grade electromagnetic shielding certification, as well as a number of industries international and domestic authoritative certification. Cable sealing solutions provided by SafelySeal are widely used in manufacturing, rail transit, construction, shipbuilding, electric power, petrochemical, military and other industries.

SafelySeal has its own material laboratory and modification factory, its customized sealing system, relying on flexible production process and rigorous construction process, can ensure the high quality sealing effect at the same time, meet the customer's required strength needs, fire protection needs, flame retardant needs, electromagnetic shielding requirements, life needs, appearance needs and other needs.For conventional scenarios, SafelySeal independently developed polymer properties can meet all conventional application scenarios, and for special application scenarios, SafelySeal can rely on strong technical reserves and research and development capabilities to customize the corresponding solutions for customers. This is also the reason why SafelySeal can stand out in the field of industrial sealing.

SafelySeal in the experience of years of customer communication and on-site practice accumulation and summary, drafting a number of industry standards, local standards, to fill the gap in the industrial field of relevant standards. In the future, SafelySeal will shoulder the industry responsibility and social responsibility, solve the problems for customers, escort the safe production of industrial enterprises, solve the problems for institutional departments, and become the benchmark of the industry.

MORE PRODUCT INFORMATION WELCOME TO SCAN CODE ATTENTION



tiktok



website

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## Test report and certification



HIGH-IMPACT FIRE&WATER RESISTANT FOAM

Product Performance

- Duration of fire resistance: 3h
- Water pressure resistance: 0.1MPa
- Compressive strength: 2.26MPa
- No halogen, asbestos.According to ROHS Standard
- Heat conductivity coefficient: 0.03W/(m.K)
- Dielectric strength
- Flame retardant rating: UL94-V0
- High&low temperature resistance: -30°C-100°C
- Acid-base resistance property
- Oil resistance
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity



Package contents

- One set of material
- Two mixing nozzle

Applicable substrate

- Concrete、metal、brick、plastic

Application scenarios

- Solution for sealing hole.
- Solution for sealing cables through switchboards, cabinets, and boxes.
- Solution for sealing Cable tunnel (ditch).
- Through protective tube Solution for sealing cables.
- Solution for sealing cable bridge.
- Solution for sealing the cable routing device.

Product selection

<b>Model:</b> SFN-FF-100-9	<b>Model:</b> SFN-FF-100-19	<b>Model:</b> SFN-FF-100-150
<b>Color:</b> Blue	<b>Color:</b> Blue	<b>Color:</b> Blue
<b>Content:</b> 400ml	<b>Content:</b> 400ml	<b>Content:</b> 400ml
<b>Foaming time:</b> 9 seconds	<b>Foaming time:</b> 19 seconds	<b>Foaming time:</b> 150 seconds
<b>Suface curing time:</b> 35 seconds	<b>Suface curing time:</b> 60 seconds	<b>Suface curing time:</b> 5 minutes
<b>Expansion multiple:</b> 5-6 times	<b>Expansion multiple:</b> 5-6 times	<b>Expansion multiple:</b> 5-6 times
<b>Sealing volume:</b> 2L	<b>Sealing volume:</b> 2L	<b>Sealing volume:</b> 2L

Compared with 9s and 19s, type of 150s has a slow foaming time and is more convenient to operate.Its fluidity is good, can let it better penetrate into the gap. For sealing underground and multi-cable holes, it is recommended to use type of 150s.

HIGH-IMPACT WATER RESISTANT FOAM

Product Performance

- Water pressure resistance: 0.1MPa
- Compressive strength: 2.26MPa
- Flame retardant rating: UL94-V0
- High&low temperature resistance: -30°C-100°C
- No halogen, asbestos.According to ROHS Standard
- Heat conductivity coefficient: 0.03W/(m.K)
- Dielectric strength
- Acid-base resistance property
- Oil resistance
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity



Package contents

- One set of material
- Two mixing nozzle

Applicable substrate

- Concrete、metal、brick、plastic

Application scenarios

- Solution for sealing hole.
- Solution for sealing cables through switchboards, cabinets, and boxes.
- Solution for sealing Cable tunnel (ditch).
- Through protective tube Solution for sealing cables.
- Solution for sealing cable bridge.
- Solution for sealing the cable routing device.

Product selection

<b>Model:</b> SFN-WP-01-9	<b>Model:</b> SFN-WP-01-19	<b>Model:</b> SFN-WP-01-150
<b>Color:</b> Blue	<b>Color:</b> Blue	<b>Color:</b> Blue
<b>Content:</b> 400ml	<b>Content:</b> 400ml	<b>Content:</b> 400ml
<b>Foaming time:</b> 9 seconds	<b>Foaming time:</b> 19 seconds	<b>Foaming time:</b> 150 seconds
<b>Suface curing time:</b> 35 seconds	<b>Suface curing time:</b> 60 seconds	<b>Suface curing time:</b> 5 minutes
<b>Expansion multiple:</b> 5-6 times	<b>Expansion multiple:</b> 5-6 times	<b>Expansion multiple:</b> 5-6 times
<b>Sealing volume:</b> 2L	<b>Sealing volume:</b> 2L	<b>Sealing volume:</b> 2L

Compared with 9s and 19s, type of 150s has a slow foaming time and is more convenient to operate.Its fluidity is good, can let it better penetrate into the gap. For sealing underground and multi-cable holes, it is recommended to use type of 150s.

HIGH-IMPACT IP68 WATER RESISTANT MULTICOLOUR FOAM

Product Performance

- Water pressure resistance: 0.1MPa
- Compressive strength: 2.26MPa
- High&low temperature resistance: -30℃-100℃
- No halogen, asbestos.According to ROHS Standard
- Heat conductivity coefficient: 0.03W/(m.K)
- Dielectric strength
- Acid-base resistance property
- Oil resistance
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity



Application scenarios

- Solution for sealing hole.
- Solution for sealing cables through switchboards, cabinets, and boxes.
- Solution for sealing Cable tunnel (ditch).
- Through protective tube Solution for sealing cables.
- Solution for sealing cable bridge.
- Solution for sealing the cable routing device.

Package contents

- One set of material
- Two Mixing nozzle

Applicable substrate

- Concrete,metal,brick、plastic

Product selection

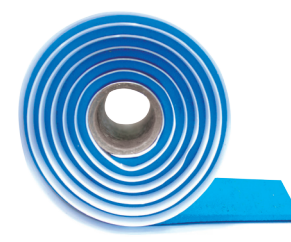
<b>Model:</b> Colorful-9	<b>Model:</b> Colorful-19	<b>Model:</b> Colorful-150
<b>Color:</b> Blue	<b>Color:</b> Blue	<b>Color:</b> Blue
<b>Content:</b> 400ml	<b>Content:</b> 400ml	<b>Content:</b> 400ml
<b>Foaming time:</b> 9 seconds	<b>Foaming time:</b> 19 seconds	<b>Foaming time:</b> 150 seconds
<b>Suface curing time:</b> 35 seconds	<b>Suface curing time:</b> 60 seconds	<b>Suface curing time:</b> 5 minutes
<b>Expansion multiple:</b> 5-6 times	<b>Expansion multiple:</b> 5-6 times	<b>Expansion multiple:</b> 5-6 times
<b>Sealing volume:</b> 2L	<b>Sealing volume:</b> 2L	<b>Sealing volume:</b> 2L

Compared with 9s and 19s, type of 150s has a slow foaming time and is more convenient to operate.Its fluidity is good, can let it better penetrate into the gap. For sealing underground and multi-cable holes, it is recommended to use type of 150s.

Flexible FLAME&WATER RESISTANT COIL

Product Performance

- High&low temperature resistance: -40℃-150℃
- Flame retardant rating: UL94-V0
- No halogen.According to ROHS Standard
- Plasticity
- Self-adhesive
- Weather fastness
- Water pressure resistance
- Acid-base resistance property、Corrosion resistant

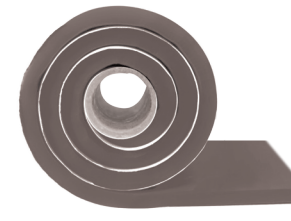


Model and size

- |                        |                    |
|------------------------|--------------------|
| ■ SFN-RXJC-B600/30/1.5 | ■ 600mm-30mm-1.5mm |
| ■ SFN-RXJC-B600/50/3   | ■ 600mm-50mm-3mm   |
| ■ SFN-RXJC-B600/30/3   | ■ 600mm-30mm-3mm   |
| ■ SFN-RXJC-B600/80/5   | ■ 600mm-80mm-5mm   |
| ■ SFN-RXJC-B600/80/1.5 | ■ 600mm-80mm-1.5mm |
| ■ SFN-RXJC-B600/80/3   | ■ 600mm-80mm-3mm   |
- Other sizes can be customized

Flexible FIRE&WATER RESISTANT COIL

- Duration of fire resistance: 5h
- High&low temperature resistance: -40℃-150℃
- Flame retardant rating: UL94-V0
- No halogen.According to ROHS Standard
- Plasticity
- Self-adhesive
- Weather fastness
- Water pressure resistance
- Acid-base resistance property、Corrosion resistant






Model and size

- |                            |                    |
|----------------------------|--------------------|
| ■ DR-A3-SFN-XF-G600/80/3   | ■ 600mm-80mm-3mm   |
| ■ DR-A3-SFN-XF-G600/50/3   | ■ 600mm-50mm-3mm   |
| ■ DR-A3-SFN-XF-G600/30/3   | ■ 600mm-30mm-3mm   |
| ■ DR-A3-SFN-XF-G600/80/5   | ■ 600mm-80mm-5mm   |
| ■ DR-A3-SFN-XF-G600/80/1.5 | ■ 600mm-80mm-1.5mm |
| ■ DR-A3-SFN-XF-G600/30/1.5 | ■ 600mm-30mm-1.5mm |
- Other sizes can be customized



Paint series products

Picture	Name	Model	Performances
	HIGH-IMPACT INDUSTRIAL NEGATIVE PRESSURE WATERPROOF COATING	<ul style="list-style-type: none"> <li>■ SFN-WPC-02-00</li> <li>■ SFN-WPC-03-01</li> </ul>	<ul style="list-style-type: none"> <li>■ Negative water pressure resistance: 0.05MPa</li> <li>■ Compressive strength: 2.26MPa</li> <li>■ No halogen, asbestos</li> <li>■ Oil resistance</li> <li>■ High&amp;low temperature resistance: -30°C-100°C</li> <li>■ Acid-base resistance property</li> <li>■ Resistance to heat and humidity</li> <li>■ Freeze-thaw resistance</li> <li>■ Mold resistance、non corrosiveness</li> </ul>
	FIREPROOF SEALANT	<ul style="list-style-type: none"> <li>■ SFN-FPS-01</li> </ul>	<ul style="list-style-type: none"> <li>■ Duration of fire resistance: 3h</li> <li>■ Oil resistance</li> <li>■ High&amp;low temperature resistance: -30°C-100°C</li> <li>■ Acid-base resistance property</li> <li>■ Resistance to heat and humidity</li> <li>■ Freeze-thaw resistance</li> <li>■ Mold resistance、non corrosiveness</li> </ul>
	PORCELAIN FIREPROOF COATING	<ul style="list-style-type: none"> <li>■ SFN-FPC-02</li> <li>■ SFN-FPC-03</li> </ul>	<ul style="list-style-type: none"> <li>■ Flame retardance</li> <li>■ Acid-base resistance property</li> <li>■ Oil resistance</li> <li>■ Resistant to rat nibbling&amp;termite borer</li> <li>■ Non corrosiveness</li> <li>■ Resistance to heat and humidity</li> <li>■ Freeze-thaw resistance</li> <li>■ Mold resistance</li> </ul>

Other products

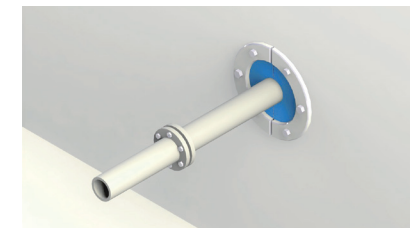
Picture	Name	Model	Performances
	POLYMER MODIFIED TRANSIENT HIGH ELASTIC SEALING ADHESIVE	<ul style="list-style-type: none"> <li>■ SFN-THES-01</li> </ul>	<ul style="list-style-type: none"> <li>■ No halogen, asbestos</li> <li>■ Density: 0.97g/cm³</li> <li>■ Viscosity: 87mPa·S</li> <li>■ Water pressure resistance: 0.02MPa</li> <li>■ Ductility</li> <li>■ Anti-permeability</li> <li>■ Elasticity</li> </ul>
	SUPER HARD NINE SECOND QUICK DRYING STRUCTURAL FILLER	<ul style="list-style-type: none"> <li>■ SFN-FDSA-50</li> </ul>	<ul style="list-style-type: none"> <li>■ High hardness: 99.5HA</li> <li>■ Fast setting: 9s</li> <li>■ Acid-base resistance property</li> <li>■ Oil resistance</li> <li>■ Non corrosiveness</li> <li>■ Mold resistance</li> <li>■ Weather fastness</li> </ul>
	FIREPROOF BOARD	<ul style="list-style-type: none"> <li>■ SFN-HPL</li> </ul>	<ul style="list-style-type: none"> <li>■ Duration of fire resistance: 3h</li> <li>■ Flame retardant rating</li> <li>■ Compressive strength: 2.26MPa</li> <li>■ No halogen, asbestos</li> <li>■ Heat conductivity coefficient: 0.03W/(m.K)</li> <li>■ Dielectric strength、oil resistance</li> <li>■ High&amp;low temperature resistance: -30°C-100°C</li> <li>■ Acid-base resistance property</li> <li>■ Resistant to rat nibbling&amp;termite borer</li> </ul>
	FIREPROOF BRICK	<ul style="list-style-type: none"> <li>■ SFN-FPB</li> </ul>	<ul style="list-style-type: none"> <li>■ Duration of fire resistance: 3h</li> <li>■ Flame retardant rating</li> <li>■ Compressive strength: 2.26MPa</li> <li>■ No halogen, asbestos</li> <li>■ Heat conductivity coefficient: 0.03W/(m.K)</li> <li>■ Dielectric strength、oil resistance</li> <li>■ High&amp;low temperature resistance: -30°C-100°C</li> <li>■ Acid-base resistance property</li> <li>■ Resistant to rat nibbling&amp;termite borer</li> </ul>

Picture	Name	Model	Applications	Specification
	PP BAFFLE	SFN-PPW3	Suitable for foam series products, used to shield pipe mouth auxiliary construction .	430*420*3 (mm)
	SPONGE	SFN-10PPI	For the auxiliary construction of foam products	10PPI, blue, 1000*1000*20 (mm)
	MIXING NOZZLE	SFN-IN	Used for construction of two-component materials	
	MANUAL A\B FOAM GUN	SFN-SG	Used for construction of two-component materials	400ml, 1:1 330x100x200 (mm)
	LINEAR HEAT GUN	SFN-HAG-S	For flexible coil heating	220V~,50Hz 2000W
	LITHIUM BATTERY HEAT GUN	SFN-HAG-B	For flexible coil heating	220V~,50Hz 2000W
	ELECTRIC SMALL CUTTING MACHINE	SFN-CM	For cutting, cutting or grinding excess parts of fireproof board on site	Maximum cutting depth5cm

## Solution for sealing hole

### Products selection

- SFN FOAM SERIES



### Overall performance

- Duration of fire resistance:3h
- Water pressure resistance:0.1MPa

### Long-term performance

- Oil resistance
- High&low temperature resistance: -30°C-100°C
- Acid-base resistance property
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity
- Freeze-thaw resistance
- Mold resistance
- Non corrosiveness

### Physical and chemical Performance

- Compressive strength:2.26MPa
- No halogen, asbestos
- Heat conductivity coefficient:0.03W/(m.K)
- Dielectric strength
- Flame retardant rating:UL94-V0

### Retrofitting advantage

- The original area is sealed with fireproof mud and quick-drying cement.There are deficiencies in the overall performance and long-term performance of the sealed area.
- SafelySeal retrofitting solution modularconstruction, simple operation, high efficiency.

### Application scenarios

- Empty pipe, hole, Wide gap

## Construction Steps

- Clean the dust and impurities to ensure that the sealing surface is free of foreign bodies.
- Open the bottle cap, install the mixing nozzle, and put into the two-component glue gun.
- Unmixed foam shall not be used for construction plugging until a stable mixed a foam is produced.
- In the area where it needs to be sealed, drive in the foam.
- Construction is generally from far to near, from bottom to top.

## Construction Cases



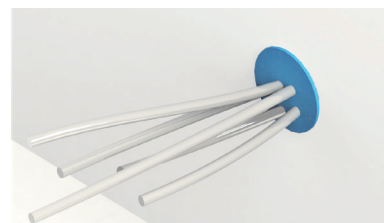
Video of sealing hole



## Solution for sealing cables through protective tube

### Products selection

- SFN FOAM SERIES
- SFN PORCELAIN FIREPROOFPAIN



### Overall performance

- Duration of fire resistance:3h
- Water pressure resistance:0.1MPa

### Long-term performance

- Oil resistance
- High&low temperature resistance: -30°C-100°C
- Acid-base resistance property
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity
- Freeze-thaw resistance
- Mold resistance
- Non corrosiveness

### physical and chemical performance

- Compressive strength:2.26MPa
- No halogen, asbestos
- Dielectric strength
- Flame retardant rating:UL94-V0
- Heat conductivity coefficient:0.03W/(m.K)

### Retrofitting advantage

- The original area is sealed with fireproof mud and quick-drying cement. There are deficiencies in the overall performance and long-term performance of the sealed area.
- SafelySeal retrofitting solution modular construction, simple operation, high efficiency.

### Application scenarios

- Single tube single wire, single tube multi-wire.

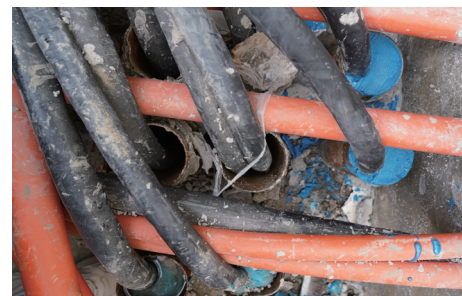
## Construction Steps

- Clean the dust and impurities to ensure that the sealing surface is free of foreign bodies.
- Open the bottle cap, install the mixing nozzle, and put into the two-component glue gun.
- Unmixed foam shall not be used for construction plugging until a stable mixed a foam is produced.
- In the area where it needs to be sealed, drive in the foam.
- Construction is generally from far to near, from bottom to top.



Video of sealing cables through protective tub

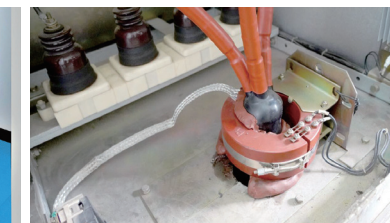
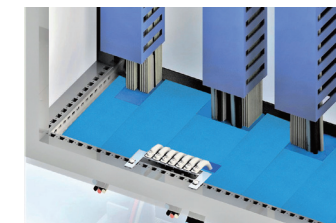
## Construction Cases



## Solution for sealing cables through switchboards, cabinets, and boxes

### Products selection

- SFN FIREPROOF BOARD
- SFN FIREPROOF SEALING PASTE
- SFN PORCELAIN FIREPROOFPAIN



### Overall performance

- Duration of fire resistance:3h
- Water pressure resistance:0.1MPa

### Long-term performance

- Oil resistance
- High&low temperature resistance: -30°C-100°C
- Acid-base resistance property
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity
- Freeze-thaw resistance
- Mold resistance
- Non corrosiveness

### Physical and chemical performance

- Compressive strength:2.26MPa
- No halogen, asbestos
- Dielectric strength
- Flame retardant rating:UL94-V0
- Heat conductivity coefficient:0.03W/(m.K)

### Retrofitting advantage

- The original area is sealed with fireproof mud .There are deficiencies in the overall performance and long-term performance of the sealed area.
- SafelySeal retrofitting solution modular construction, simple operation, high efficiency.

### Application scenarios

- Switchboards, cabinets, and boxes Solution for sealing cables through switchboards, cabinets, and boxes upper, lower and side cables

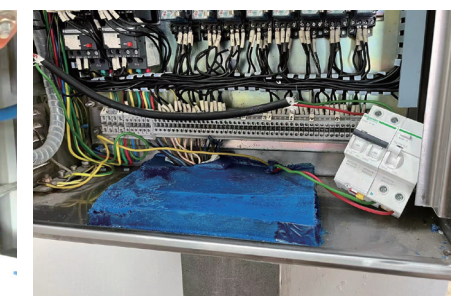
## Construction Steps

- Clean the dust and impurities to ensure that the sealing surface is free of foreign bodies.
- Cut the fire board to fit the sealed area.
- Cut out cable threading holes on board based on the cable positions.
- Apply SFN FIREPROOF SEALANT to the joint with the switchboards, cabinets, and boxesand THE board.



Video of sealing cables through switchboards, cabinets, and boxes

## Construction Cases

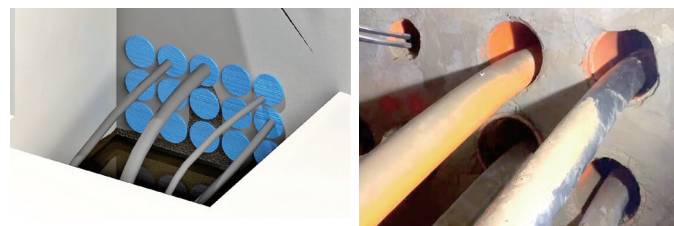




## Solution for sealing Cable tunnel (ditch)

### Products selection

- SFN FOAM SERIES
- SFN PORCELAIN FIREPROOFPAINT



### Overall performance

- Duration of fire resistance:3h
- Water pressure resistance:0.1MPa

### Long-term performance

- Oil resistance
- High&low temperature resistance:  
-30°C-100°C
- Acid-base resistance property
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity
- Freeze-thaw resistance
- Mold resistance
- Non corrosiveness

### Physical and chemical performance

- Compressive strength:2.26MPa
- No halogen, asbestos
- Dielectric strength
- Flame retardant rating:UL94-V0
- Heat conductivity coefficient:0.03W/(m.K)

### Retrofitting advantage

- The original area is sealed with fireproof mud .There are deficiencies in the overall performance and long-term performance of the sealed area.
- The fire&water resistant performance of SafelySeal foam series products can meet the harsh environment of cable tunnel (ditch).

### Application scenarios

- The cable tunnel (ditch) pipes are routed to the indoor entrance, Under-ground firewall

## Construction Steps

- Clean the dust and impurities to ensure that the sealing surface is free of foreign bodies.
- Open the bottle cap, install the mixing nozzle, and put into the two-component glue gun.
- Unmixed foam shall not be used for construction plugging until a stable mixed a foam is produced.
- In the area where it needs to be sealed, drive in the foam.
- Construction is generally from far to near, from bottom to top.



vedio of sealing Cable  
tunnel (ditch)

## Construction Cases



## Solution for sealing cables through the floor

### Products selection

- SFN FOAM SERIES
- SFN FIREPROOF BOARD
- SFN PORCELAIN FIREPROOFPAINT



### Overall performance

- Duration of fire resistance:3h
- Water pressure resistance:0.1MPa

### Long-term performance

- Oil resistance
- High&low temperature resistance:  
-30°C-100°C
- Acid-base resistance property
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity
- Freeze-thaw resistance
- Mold resistance
- Non corrosiveness

### Physical and chemical performance

- Compressive strength:2.26MPa
- No halogen, asbestos
- Dielectric strength
- Flame retardant rating:UL94-V0
- Heat conductivity coefficient:0.03W/(m.K)

### Retrofitting advantage

- The original area is sealed with fireproof mud .There are deficiencies in the overall performance and long-term performance of the sealed area.
- SafelySeal foam series products have low density and high strength.

### Application scenarios

- Cable crossing based on vertical construction, including vertical shafts and signal Wells.

## Construction Steps

- Clean the dust and impurities to ensure that the sealing surface is free of foreign bodies.
- Cut the fire board to fit the sealed area.
- Cut out cable threading holes on board based on the cable positions.
- Apply SFN FIREPROOF SEALANT to the joint with the switchboards, cabinets, and boxesand THE board.



vedio of sealing cables  
through the floor

## Construction Cases

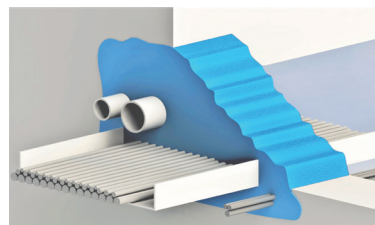




## Solution for sealing cable bridge

### Products selection

- SFN FOAM SERIES
- SFN PORCELAIN FIREPROOFPAIN



### Overall performance

- Duration of fire resistance:3h
- Water pressure resistance:0.1MPa

### Long-term performance

- Oil resistance
- High&low temperature resistance:  
-30°C-100°C
- Acid-base resistance property
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity
- Freeze-thaw resistance
- Mold resistance
- Non corrosiveness

### Physical and chemical performance

- Compressive strength:2.26MPa
- No halogen, asbestos
- Dielectric strength
- Flame retardant rating:UL94-V0
- Heat conductivity coefficient:0.03W/(m.K)

### Retrofitting advantage

- The original area is sealed with fireproof mud 。There are deficiencies in the overall performance and long-term performance of the sealed area.
- SafelySeal foam products can control the foaming time, and the foam can fully flow into the internal gap of the bridge cable to ensure that the area is sealed.

### Application scenarios

- Bridge through the scene, bridge fire retardant section construction,generating line box through the scene.

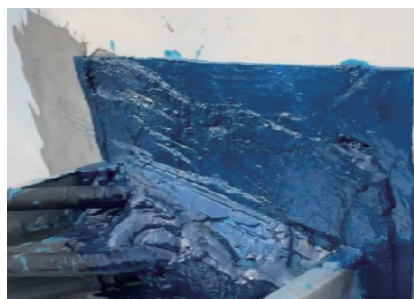
## Construction Steps

- Clean the dust and impurities to ensure that the sealing surface is free of foreign bodies.
- Open the bottle cap, install the mixing nozzle, and put into the two-component glue gun.
- Unmixed foam shall not be used for construction plugging until a stable mixed a foam is produced.
- In the area where it needs to be sealed, drive in the foam.
- Construction is generally from far to near, from bottom to top.



vedio of sealing Cable  
tunnel (ditch)

## Construction Cases



## Solution for sealing the cable routing device

### Products selection

- SFN FOAM SERIES
- SFN PORCELAIN FIREPROOFPAIN



### Overall performance

- Duration of fire resistance:3h
- Water pressure resistance:0.1MPa
- Anti-detonating quality

### Long-term performance

- Oil resistance
- High&low temperature resistance:  
-30°C-100°C
- Acid-base resistance property
- Resistant to rat nibbling&termite borer
- Resistance to heat and humidity
- Freeze-thaw resistance
- Mold resistance
- Non corrosiveness

### Physical and chemical performance

- Compressive strength:2.26MPa
- No halogen, asbestos
- Dielectric strength
- Flame retardant rating:UL94-V0
- Heat conductivity coefficient:0.03W/(m.K)

### Retrofitting advantage

- The original area is sealed with fireproof mud 。There are deficiencies in the overall performance and long-term performance of the sealed area.
- SafelySeal foam series products can be expanded according to the shape of the field equipment enclosure to ensure the filling of the sealed area.

### Application scenarios

- Bridge through the scene, bridge fire retardant section construction,generating line box through the scene.

## Construction Steps

- Clean the dust and impurities to ensure that the sealing surface is free of foreign bodies.
- Open the bottle cap, install the mixing nozzle, and put into the two-component glue gun.
- Unmixed foam shall not be used for construction plugging until a stable mixed a foam is produced.
- In the area where it needs to be sealed, drive in the foam.
- Construction is generally from far to near, from bottom to top.



video of sealing the  
cable routing device

## Construction Cases



## Solution for sealing wet environment

### Products selection

- POLYMER MODIFIED TRANSIENT  
HIGH ELASTIC SEALING ADHESIVE



### Overall performance

- Water pressure resistance: 0.02MPa
- Halogen-free, in line with ROHS
- Resistance to elongation
- Elastic
- Water diffusion permeability of  
pressure: 0.02MPa

### Physical and chemical property

- Density: 0.97g/cm<sup>3</sup>
- Viscosity: 87mPa · S

### Application scenarios

- Temporary water sealing in wet, narrow water environment, sealed with SafelySeal foam products.

### Retrofitting advantage

- To solve the problem that the sealing material can not achieve the best construction conditions in the water environment, and the SafelySeal foam series products can completely solve the problem of specific water construction.

## Construction Steps

- Clean the sealed area.
- Fill the two layers of sponge into the pipe to ensure the spacing of the two layers of sponge.
- Fill the material so that its glue nozzle passes through the outer sponge.
- Drive the material in quickly and observe the flow.
- After driving, the flow is reduced.
- Complete the water seal.

## Construction Cases



video of sealing  
Wet environment

## Solution for repairing cable skin

### products selection

- SEFELYSEAL FLEXIBLE COIL SERIES PRODUCTS  
(FIRE/FLAME RESISTANT)



### Overall performance

- Self-adhesive
- IP68
- Duration of fire resistance weather: 5h

### Long-term performance

- Acid-base resistance property
- Oil resistance
- Non corrosiveness
- Weather fastness

### Physical and chemical performance

- Halogen-free, in line with ROHS
- Volume resistivity: 10<sup>11</sup>Ω · cm
- Flame retardant rating: UL94-V0
- High & low temperature resistance:  
-40°C-150°C

### Retrofitting advantage

- Increase the creepage distance such as switchgear, reduce the discharge and reduce the discharge risk caused by water seepage.
- Reduce the risk of discharges caused by moisture, such as switchgear.
- Reduce erosion of power facilities in corrosive environments.
- Reduces the risk of cable damage caused by external sheath damage.

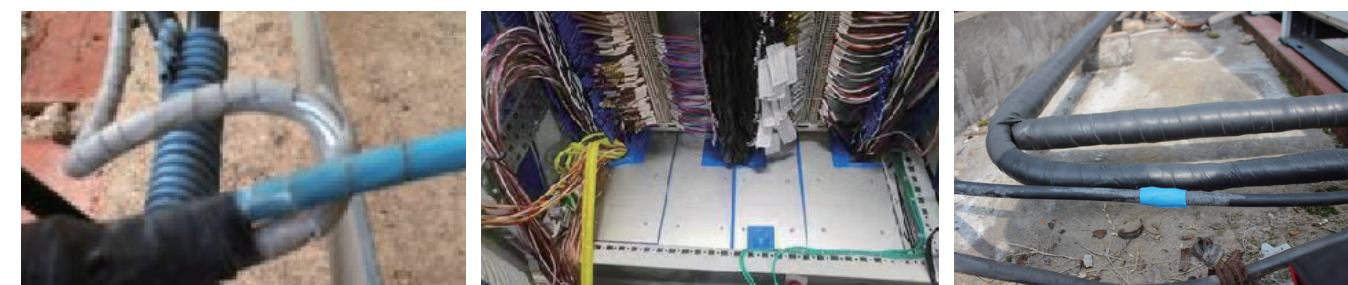
### Application scenarios

- Cable sheath repair, cable finishing, with SafelySeal foam series products to deal with complex scenes.

## Construction Steps

- Clean the sealed area.
- Use a heat gun to heat the material.
- After the material softens, wrap the damaged part of the cable cover.
- Wait for self-adhesive, complete seal.

## Construction Cases



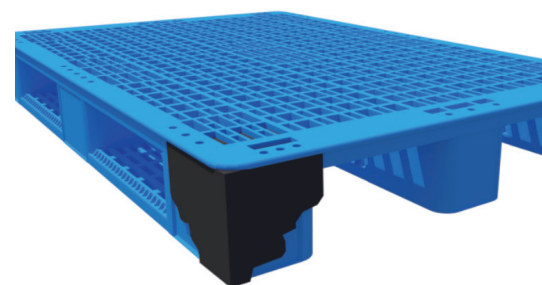
video of repairing  
cable skin



## Solution for filling structural gap

### products selection

- SUPER HARD NINE SECOND QUICK DRYING STRUCTURAL FILLER



### Overall performance

- High bonding strength
- Air impermeability
- Watertightness

### Long-term performance

- Acid-base resistance property
- Oil resistance
- Non corrosiveness
- Mold resistance
- Weather fastness

### Physical and chemical Performance

- High hardness:99.5HA
- Fast setting:9s

### Retro fitting advantage

- After the material is mixed, it begins to cure in 3 seconds, finishes curing in 9 seconds, and the hardness can reach 99.5HA after curing.

### Application scenarios

- Model making, structural repairing, gap filling.

## Construction Steps

- Clean up dust to ensure that the base surface is free of foreign bodies.
- Install structural adhesive to the gun.
- Quickly use the gun to push in the high strength structural filler.
- Wait for the material to cure and finish construction.



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filling structural gap

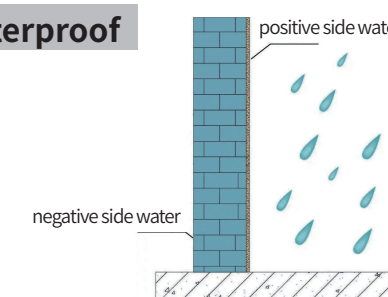
## Construction Cases



## Solution for negative pressure waterproof

### Products selection

- HIGH-IMPACT INDUSTRIAL NEGATIVE PRESSURE WATERPROOF COATING
- NONWOVENS



### Overall performance

- Negative water pressure resistance: 0.05MPa

### Long-term performance

- Oil resistance
- High&low temperature resistance: -30°C-100°C
- Acid-base resistance property
- Mold resistance
- Weather fastness

### Physical and chemical performance

- Compressive strength:2.26MPa
- No halogen, asbestos

### Retrofitting advantage

- The fast curing feature will be more efficient than ordinary waterproof coatings.
- Strong bonding strength enables more types of substrates to be painted.

### Application scenarios

- Basement, underground pipe gallery wall, different or the same material base surface intersection, wall and pipe gap.

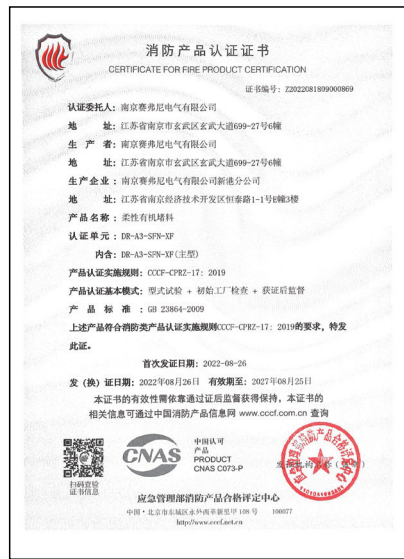
## Construction Steps

- Clean the sealed area and make sure it is dry.
- Use a foam gun to drive the material (without a glue nozzle) into the container.
- Mix the foam in the mixing container.
- Use brush to apply material to sealed area.
- Wait for the material to cure.
- Complete negative pressure waterproof seal.

## Construction Cases



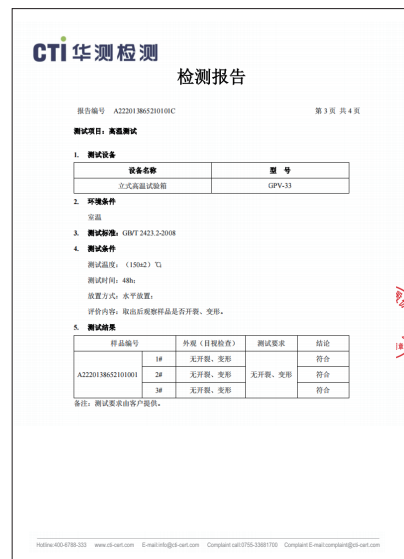
Video of negative  
pressure waterproof



CCC certificate of flexible coil



Duration of fire resistance 5h test report of flexible coil



High temperature test report of flexible coil



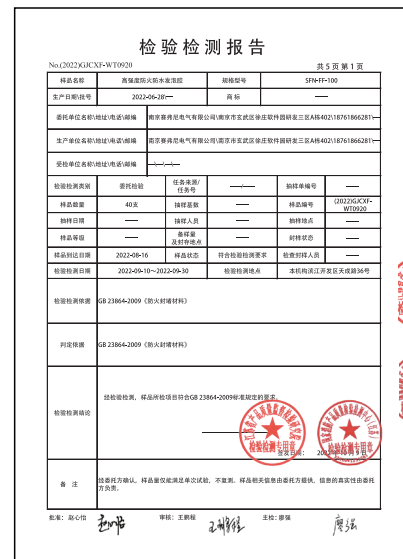
Resistant to rat nibbling&amp;termite borer



Acid resistance test report of flexible coil



Halogen-free test report of flexible coil



Duration of fire resistance 3h test report of foam



Water resistant pressure 0.1MPa test report of foam



Compressive strength 2.26MPa test report of foam



High temperature test report of foam



Alkali resistance test report of foam



Acid resistance test report of foam