SPP

SINA POLYMER PART

Fire Stop Products

Sina Polymer Part Co. is the first producer of Fire Stop in Iran that provides and install fire retardant materials in more than 50 power Stations, petrochemicals and other industrials.

This company is also active in manufacturing and applying industrial and protective coatings such as epoxy, polyurethane, anti - corrosion, anti-acid, FRP lining, vinyl ester glass flake, cement - based fire proofing for steel (intumescent & vermiculite), etc.

Maintaining a very high-level customer services are highly believed in Sina Polymer Part co.

This service not only includes solving customer's technical problems, but also it contains theoretical and practical seminars about applying protective coatings to elevate the technical knowledge of customers.

Code of Material	Place of use	LOI	Thickness (mm)	Possibility of replacement of cable	Installation by
Fire Stop SP-200	Openings and cable trays	>90%	1.5 -2	Yes	Brush , Spray
Fire Stop SP-300	Conduits	>90%	2-3	Yes	Brush
Fire Stop SP-400	Cables	>65%	1-2	Yes	Brush , Spray
Coating SP-100	Cables	-	0.5	Yes	Brush , Spray
Fire Stop Mortar	Outdoor large openings	>90%	100	No	Trowel , Brush

● Fire Stop SP 200

Fire stop SP 200 is a water based high temperature resistant mastic coating. It's suitable for wall and floor openings and their entrance cables.
It usually is used with rock wool panel for sealing openings.

● Fire Stop SP 300

Fire stop SP 300 is a water based filler high temperature resistant mastic coating.
It's suitable for conduits in any size and their entrance cables.
It is designed for better sealing of holes.

● Fire Stop SP 400

Fire stop SP 400 is a water based high temperature resistant mastic coating. It's suitable for coating on cables and cable trays in any size.
Cables coated by SP 400 will protect against spread of fire.

Note: Fire Stop SP 200 can still be used for input and output openings cables.

● Fire Stop SP Mortar

Fire stop SP Mortar is a cement based high temperature resistance material
It's suitable for large openings and trench openings especially large ones
where further penetration may be required.

Approved By Standards | ASTM D2863 ASTM D635 | **UL 94** EN 1366-3

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Technical Data

(at 25°C and 50% relative air humidity)

Single - Component		
Water Based		
Density	1.25 gr / cm³	
PH	7 – 8	
Fire Rating	Up to 2 hours	
Solid Content	75%	
L.O.I.	93%	(ASTM D2863)
Flammability Of Self supporting	VTM-0	UL 94
Flammability		(ASTM D635) , (EN1366-3)
Rodent Repellent	+	
Non Toxic	+	
UV Resisatance	+	
Color	On request	
Shelf Life	12 months	
Packing	Pail of 20 kg	
Tack Free Time	24 hours	
Cure Time	48 hours	
Application Temperature	+5 to +45ºC	

Installation Instructions

Scope

Generally, in industries, Fire Stop Materials are used to control and retard the transmission of fire.
Different ways are available for sealing the Openings, conduits and coating the Cables. This installation procedure covers most of these ways, therefore, for having better installation use up-to-date methods to fit specific field and service condition.

1. Usage of Products

- Openings and cable trays (at any size)

2. Equipment

- Nylon brush
- Air and Airless spray
- Pails
- Cutter
- Spray nozzle 0.8 – 1.5 mm
- Portable coating thickness gauge

3. Product Preparation

All items must be kept in closed containers and stored temperatures between +5°C to +45°C.Shelf life for material is twelve months if kept tightly sealed. The materials are packaged for convenience in different sizes.

4. Installation Instructions

- Cleaning and dusting the coating's limitation of oil.
- Cut the Rock Wool Panels (Density 80-150 kg/m³ and thickness 5 cm) to opening size.
- Before using the materials, mix it for 5 minutes with low speed.
- Coat cables in limitation of panel with Fire Stop SP 200.
- Coat the rock wool panel surfaces and edges with Fire Stop SP 200.
- Fill the openings with rock wool panels after the curing time.
- Fill the gaps with Fire Stop SP 200.
- Use the bulk mineral wool to fill the gaps if required.
- Recoat rock wool panels with Fire Stop SP 200 up to 1.5-2 mm thickness.

5. Curing Time

For recoating:
@ +10°C approx 9 hours   @ +20°C approx 8 hours   @ +30°C approx 7 hours
Note: Using Air and Airless spray or brush depends on conditions.

6. Repair

After applying the Fire Stop materials, the cables can be changed and the Fire Stop materials can be repaired.

7. Safety

Fire Stop is based on water, so it doesn't have any skin's hurt and effect on environment.

FIRESTOP SP 300
HIGH TEMPERATURE RESISTANCE
For Conduits

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(at 25°C and 50% relative air humidity)

Single - Component	
Water Based	
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PH	7 – 8
Fire Rating	Up to 2 hours
Solid Content	75%
L.O.I.	93% *(ASTM D2863)*
Flammability Of Self supporting	VTM-0 UL 94
Flammability	*(ASTM D635) , (EN1366-3)*
Rodent Repellent	+
Non Toxic	+
UV Resisatance	+
Color	On request
Shelf Life	12 months
Packing	Pail of 12 to 15 kg
Tack Free Time	24 hours
Cure Time	48 hours
Application Temperature	+5 to +45°C

Installation Instructions

Scope

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1. Usageof Products

● Conduits (at any size)

2. Equipment

● Nylon brush
● Air and Airless spray
● Pails
● Cutter
● Spray nozzle 0.8 – 1.5 mm
● Portable coating thickness gauge

3. Product Preparation

All items must be kept in closed containers and stored temperatures between +5°C to +45°C.Shelf life for material is twelve months if kept tightly sealed. The materials are packaged for convenience in different sizes.

4. Installation Instructions

● Cleaning and dusting the coating's limitation of oil.
● Cut the Rock Wool Panels (Density 80-150 kg/m³ and thickness 5 cm) to conduit size.
● Before using the materials, mix it for 5 minutes with low speed.
● Coat the rock wool panel surfaces and edges with Fire Stop SP 300.
● Fill the conduit with rock wool panels after the curing time.
● Fill the gaps with Fire Stop SP 300.
● Recoat rock wool panels with Fire Stop SP 300 up to 2-3 mm thickness.
● At the end coat the system with coating SP 100 if water proofing required.

5. Curing Time
For recoating:
@ +10°C approx 9 hours   @ +20°C approx 8 hours   @ +30°C approx 7 hours
Note: Using Air and Airless spray or brush depends on conditions.

6. Repair
After applying the Fire Stop materials, the cables can be changed and the Fire Stop materials can be repaired.

7. Safety

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Rodent Repellent	+
Non Toxic	+
UV Resisatance	+
Color	On request
Shelf Life	12 months
Packing	Pail of 20 kg
Tack Free Time	24 hours
Cure Time	48 hours
Application Temperature	+5 to +45ºC

Installation Instructions

1. Scope

Generally, in industries, Fire Stop Materials are used to control and retard the transmission of fire.
Different ways are available for sealing the Openings and coating the Cables. This installation procedure covers most of these ways, therefore, for having better installation use up-to-date methods to fit specific field and service condition.

2. Usage of Products

- Cable
- Cable tray
- Ladder
- Suitable for any kind of cables, pipes, cable trays, and etc.

3. Equipment

- Nylon brush
- Air and Airless spray
- Pails
- Cutter
- Spray nozzle 0.8 – 1.5 mm
- Portable coating thickness gauge

4. Product Preparation

All items must be kept in closed containers and stored temperatures between +5°C to +45°C. Shelf life for material is 12 months if kept tightly sealed. The materials are packaged for convenience in different sizes.

5. Installation Instructions

- Cleaning and dusting the coating's limitation of dust, oil and etc.
- Before using the materials, mix it for 5 minutes with low speed.
- Coat the cable and cable trays with Fire Stop SP-400 in specified limitation.
- Recoat specified limitation at least twice with Fire Stop SP-400 up to 1-2 mm thickness.

6. Curing Time

For recoating:
@ +10°C approx. 9 hours @ +20°C approx. 8 hours   @ +30°C approx. 7 hours

Note: Using Air and Airless spray or brush depends on conditions.

7. Repair

After applying the Fire Stop materials, the cables can be changed and the Fire Stop materials can be repaired.

8. Safety

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