

Fireproof Sealing Solution for Fire Doors

Fire sealing solution for fire doors includes fireproof intumescent seals, smoke seals, flame-retardant seals and hardware intumescent protection cover. Materials provide multiple protection functions of preventing spreading of fire heat and smoke, excellent sound insulation and energy saving performance.

7-60 times

Expansion Ratio

Customization

Customized design for each door



RPB SERIES FLEXIBLE FIREPROOF INTUMESCENT SEAL FOR FIREPROOF DOORS



RPB series flexible fireproof intumescent seal is made from an unique chemical formulation based upon expandable graphite.

Expansion ratio: 7-30times

Activate temperature: 180-220 °C

Fire rated test: BS476

Application: Timber and metal fireproof door

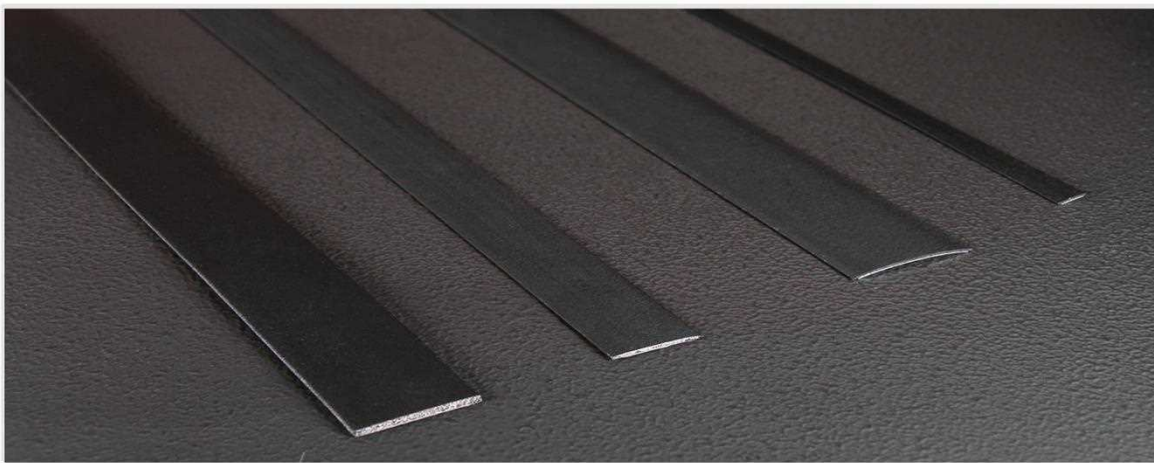
Function: Seal gaps to prevent fire heat and smoke spreading

Product comes with strong self-adhesive

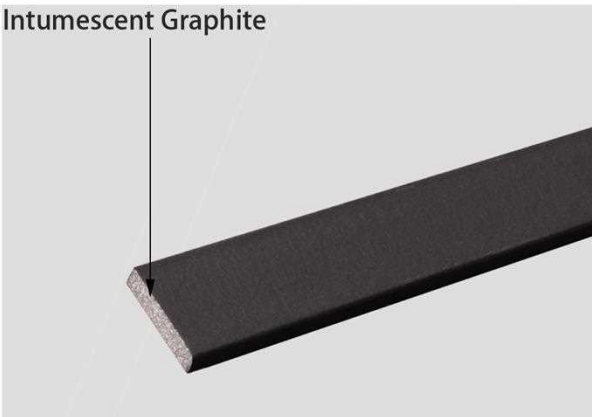
Length: 50m/roll or customized

Regular color is black ■

Color customization is available ■ ■ ■ ■



Intumescent Graphite



The flexible nature of the material permits it to be used for many applications where a rigid strip would be impractical. RPB is easy to be cut and stick on the door leaf or frame of wooden fireproof door and steel fireproof door.



When exposed to fire, it will rapidly expand 7-30 times than original volume to seal the gap between door and frame to prevent fire heat and smoke spreading .

**RPB SERIES
FLEXIBLE FIREPROOF INTUMESCENT SEAL FOR FIREPROOF DOORS**



Product Code	T*W (mm)	Product Code	T*W (mm)
RPB0208	2*8	RPB0220	2*20
RPB0210	2*10	RPB0225	2*25
RPB0212	2*12	RPB0230	2*30
RPB0215	2*15	RPB0235	2*35
RPB0218	2*18	RPB0240	2*40



Product Code	T*W (mm)	Product Code	T*W (mm)
RPB0310	3*10	RPB0415	4*15
RPB0315	3*15	RPB0420	4*20
RPB0410	4*10	RPB0425	4*25
RPB0412	4*12	RPB0625	6*25

- Sizes are available to be customized.
- Regular material and RoHS material for choosing.
- If no specify, the quotation and supplying is according to regular material.

**RPB-YX SERIES
SPECIAL SHAPE FIREPROOF INTUMESCENT SEAL FOR ARMORED DOORS**

Based on improved design idea, RPB-YX series special shape fireproof intumescent seal combines double functions of impact-resistant and fireproof sealing together, suitable for armored doors.

Structure: Flame retardant PVC bubble + Intumescent graphite
 Expansion ratio: 7-20 times
 Application: Armored door, timber and metal fireproof door
 Function: Seal gaps to prevent fire heat and smoke spreading
 Easy insert installation no need adhesive

Regular color is black
 Color customization is available



Soundproof



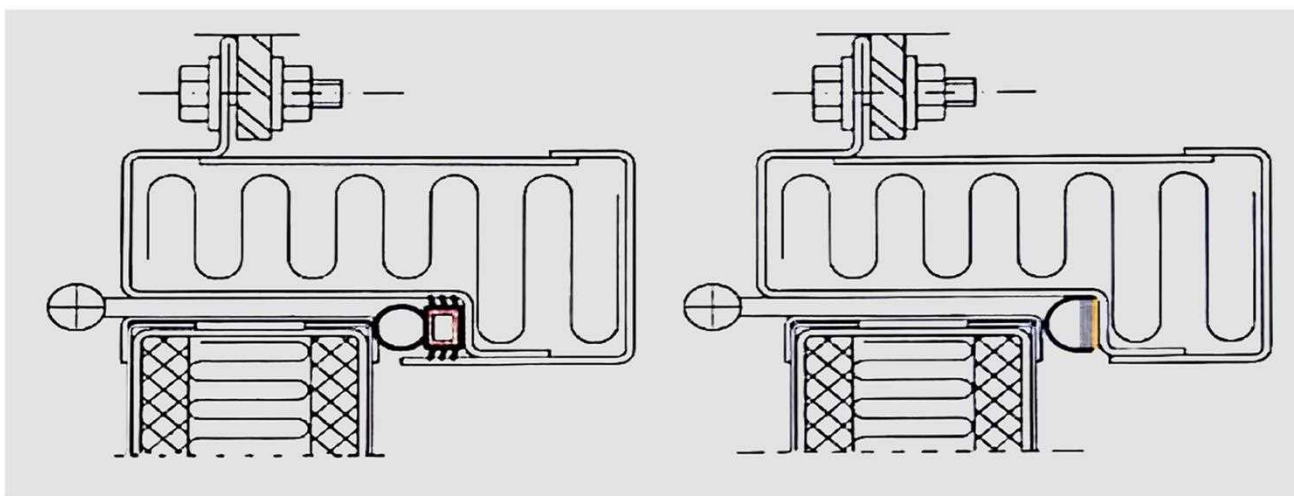
Smokeproof



Anti-collision



Fireproofing

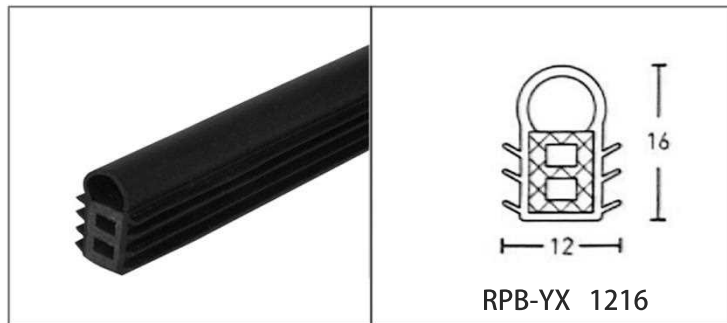
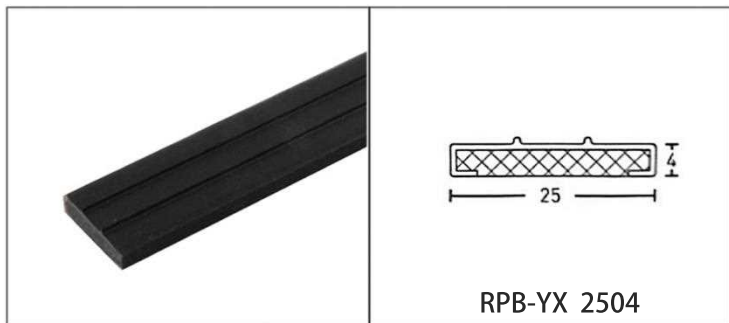
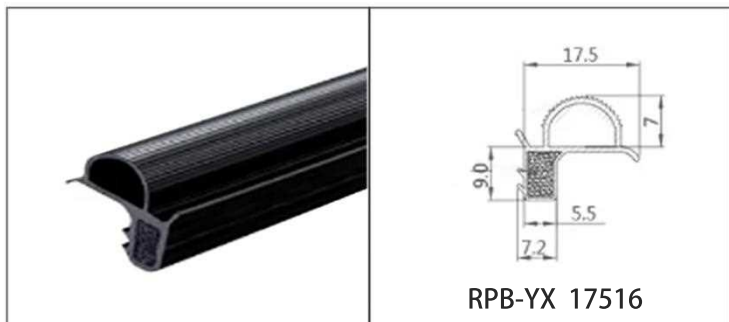
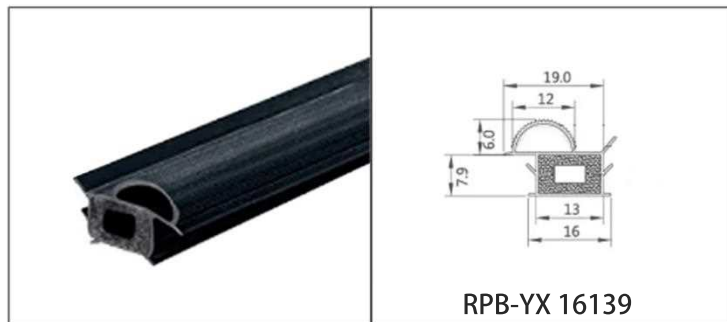
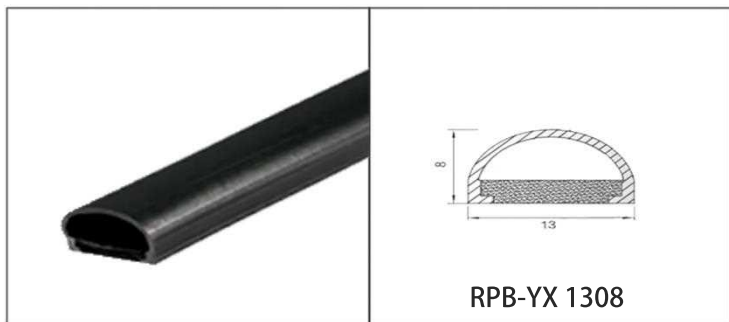
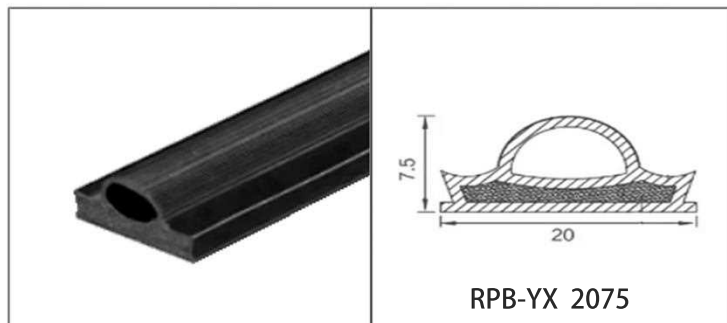
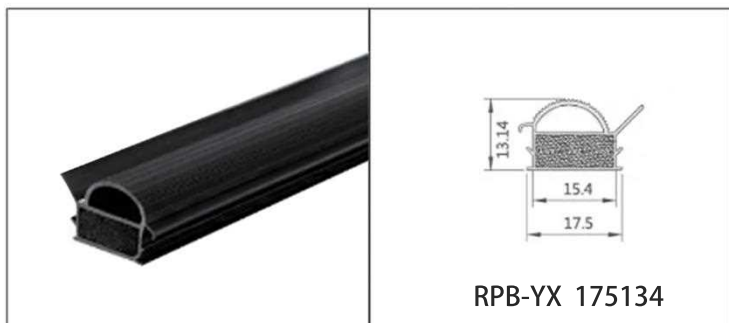
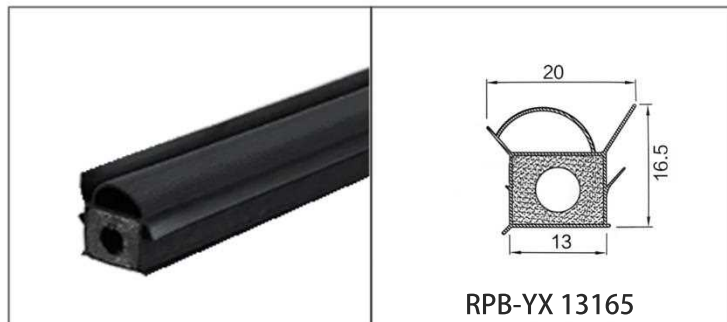
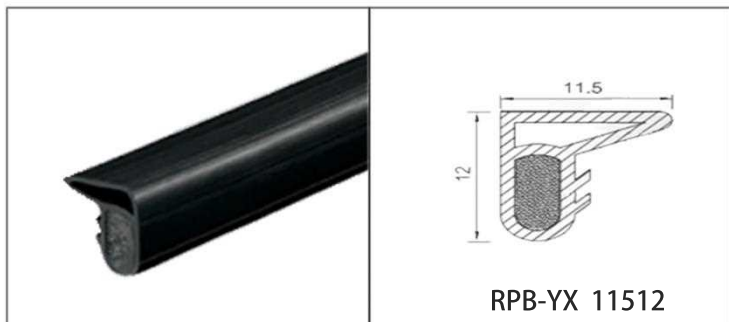


Without fire disaster, the bubble structure plays excellent impact-resistant sound insulation and dust-proof sealing effect when close the door.

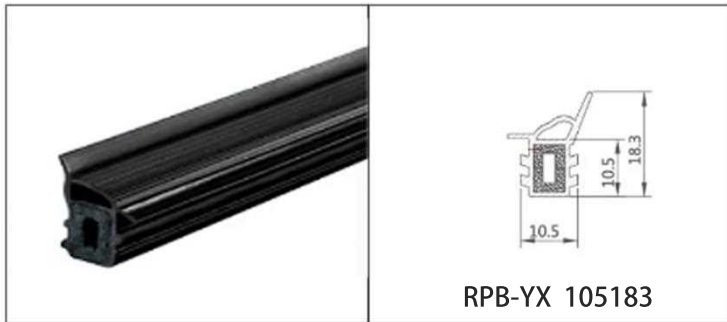
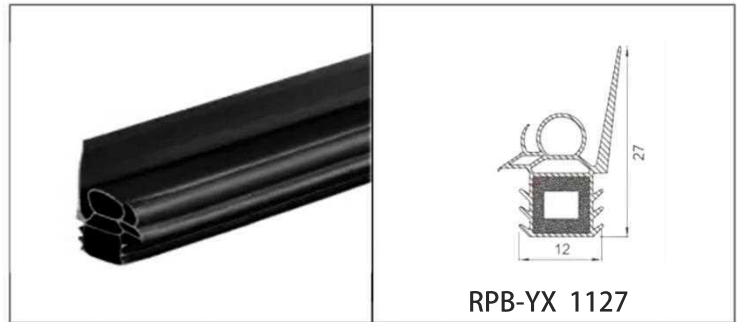
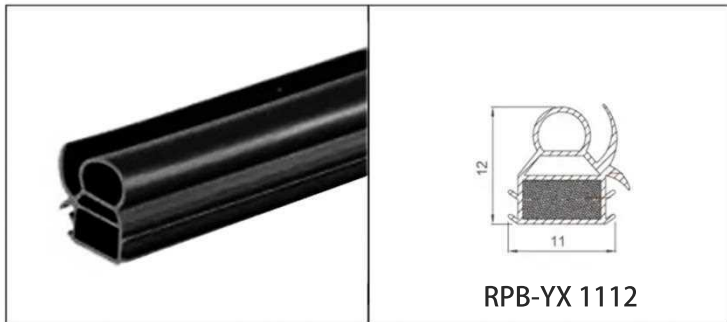
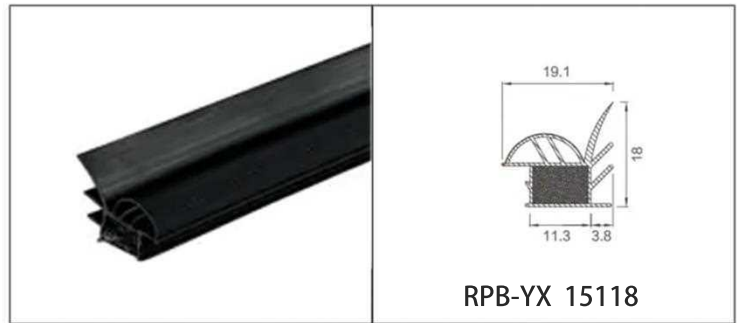
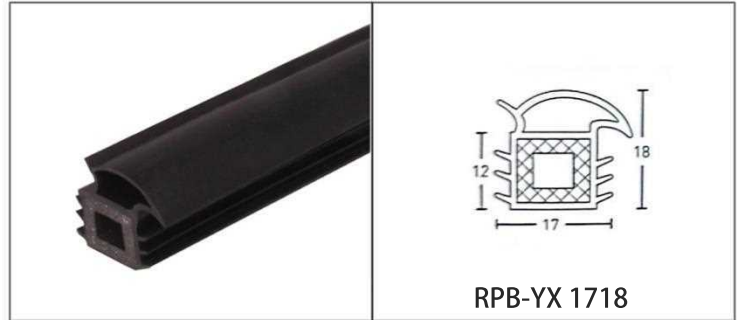


When exposed to fire, the bubble part will turn soft and melt quickly and the inside intumescent material will rapidly expand 7-20 times to seal the space between door and frame, help to prevent the fire smoke and heat spreading.

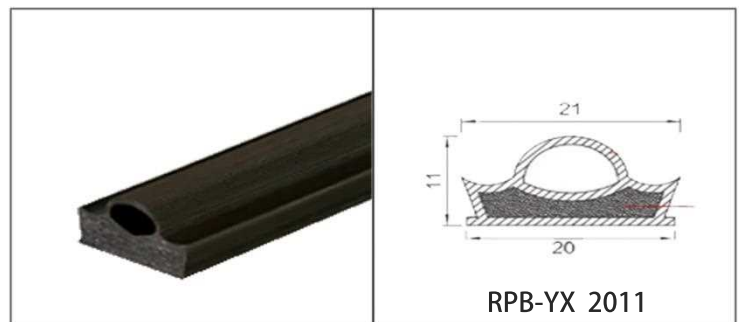
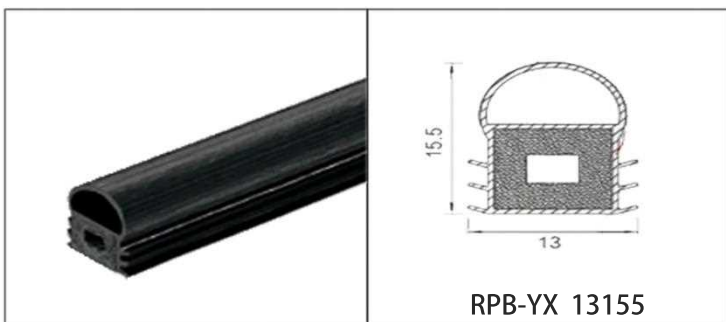
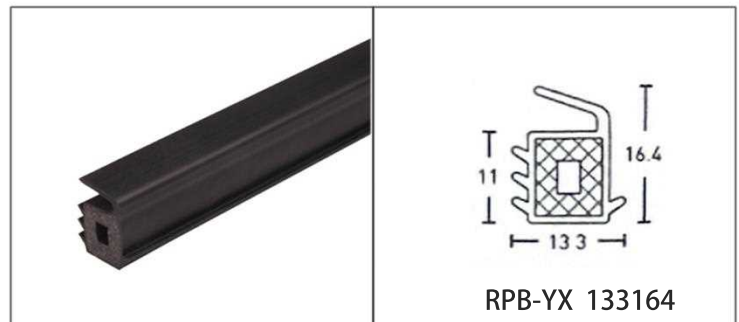
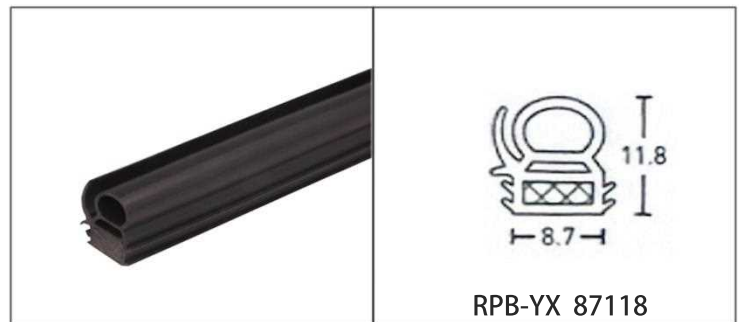
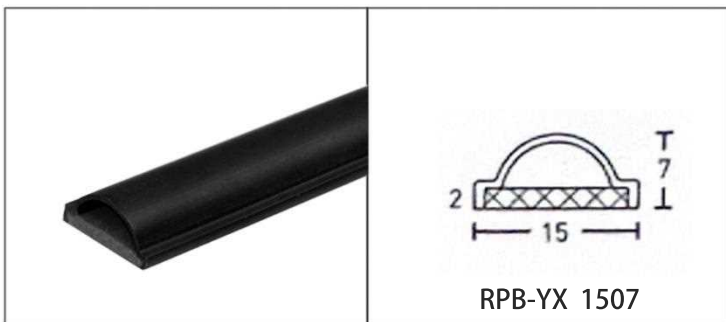
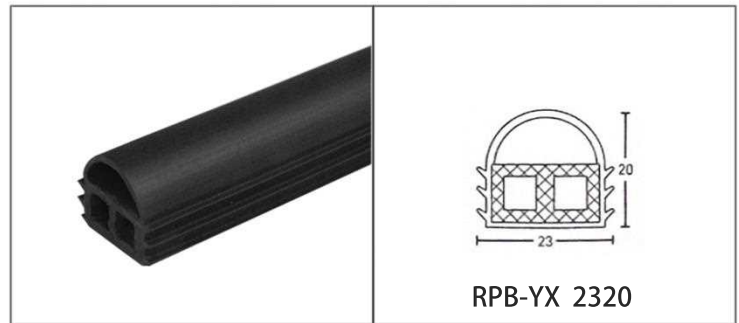
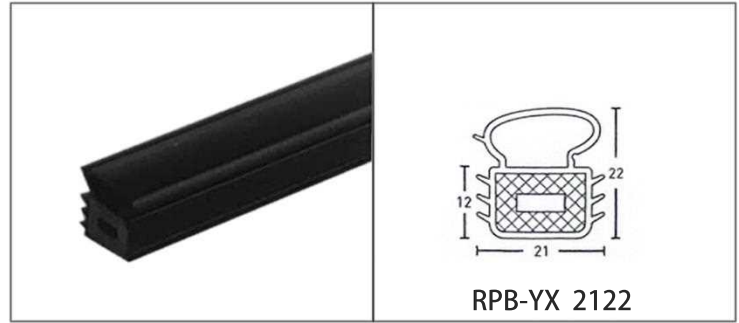
**RPB-YX SERIES
SPECIAL SHAPE FIREPROOF INTUMESCENT SEAL FOR ARMORED DOORS**



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RPB-YXSD SERIES FIREPROOF INTUMESCENT SEAL FOR FIREPROOF SHUTTER DOORS

RPB-YXSD series fireproof intumescent seal is installed along the guide rail edges or sealing areas of steel fireproof roller shutter door and inorganic fabric fireproof roller shutter door

Expansion ratio: 7-20 times


Application: Fireproof shutter door

No affected by water and humidity

Function: Seal gaps to prevent fire heat and smoke spreading

Easy insert installation no need adhesive

Regular color is black 

Color customization is available    



Soundproof



Anti-collision



Fireproofing

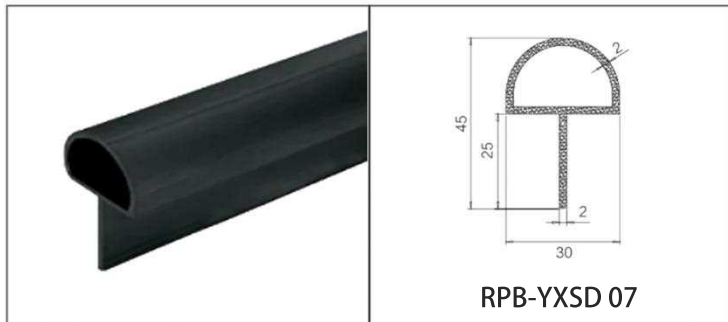
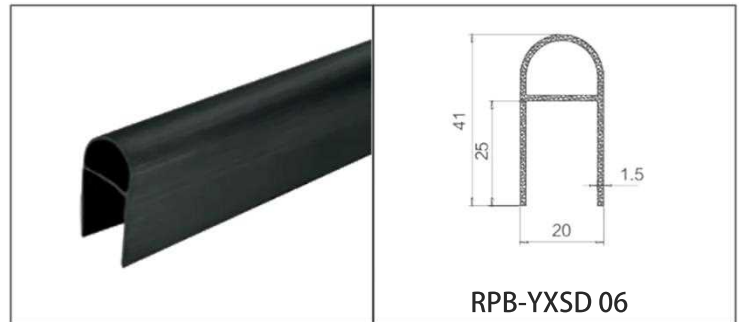
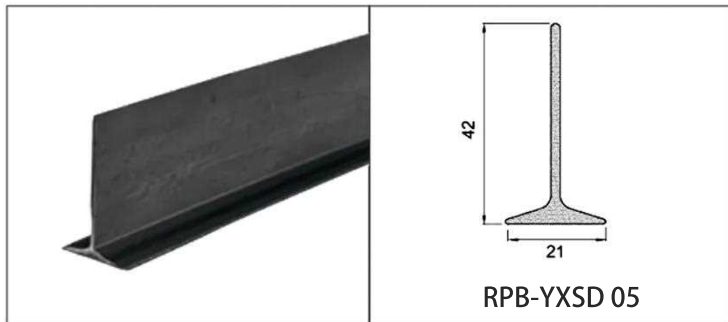
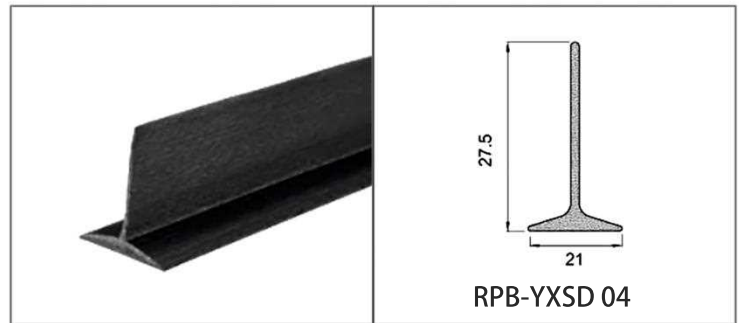
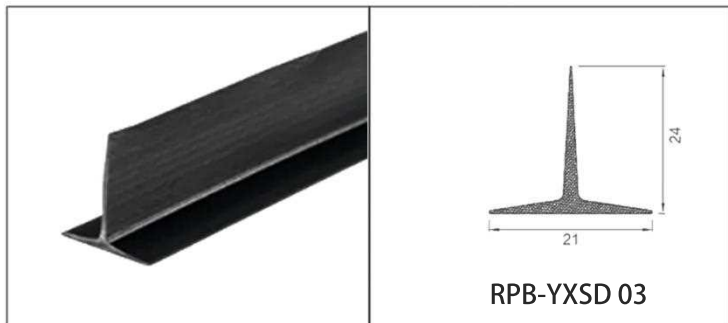
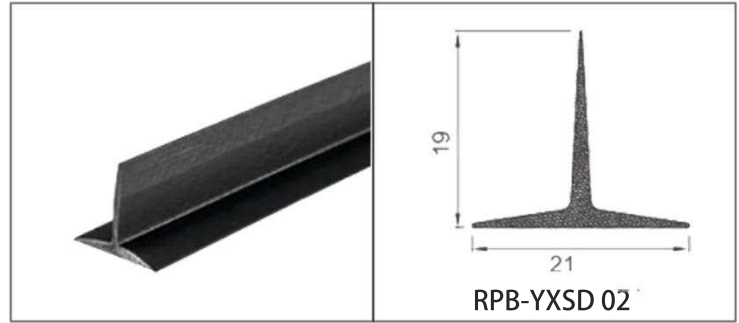
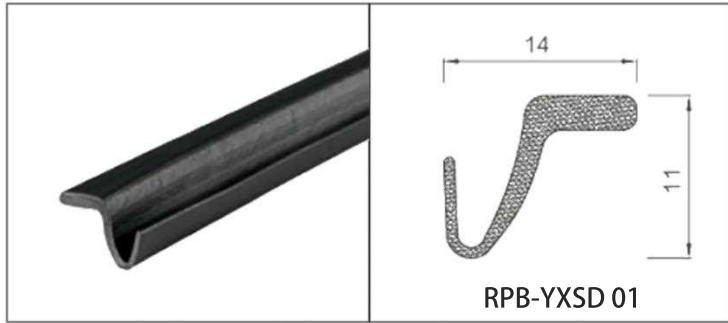


The shapes and structures are available to be customized according to shutter door designs.



When fire happens, inside intumescent material will expand 7-20 times to seal the space between fireproof shutter door and frame, help to prevent the fire smoke and heat spreading.

**RPB-YXSD SERIES
FIREPROOF INTUMESCENT SEAL FOR FIREPROOF SHUTTER DOORS**



RY-EPDM SERIES WEATHER SEALING STRIP

RY-EPDM sealing strip adopts high-temperature shaping microwave vulcanization process, with good tensile and compression deformation resistance, air aging resistance, ozone aging resistance and a wide range of operating temperature (-50C-+150 °C) and other properties, long service life. For different shapes, different materials or different application scenarios characterized by demand, can meet the needs of design and development and use.

Heat and cold resistance
Resistant to air and ozone aging
Wide operating temperature range
Meets the needs of design development and use

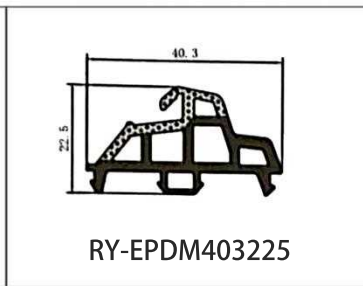
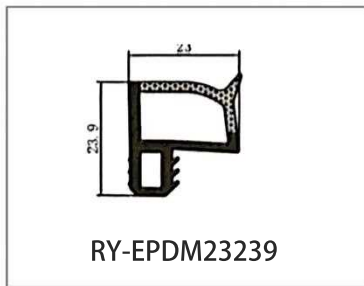
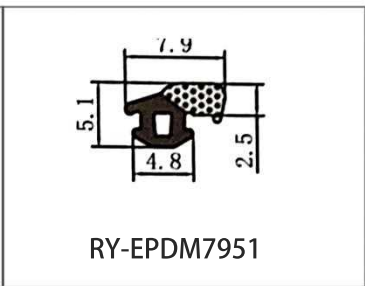
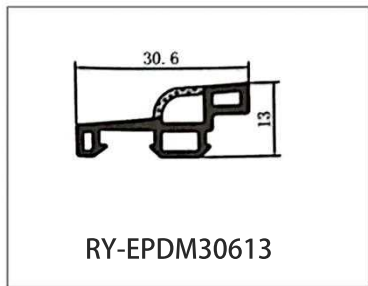
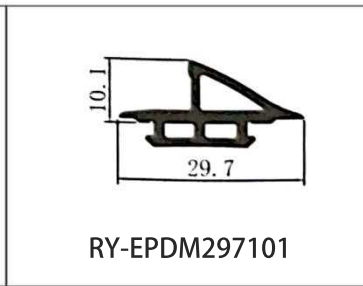
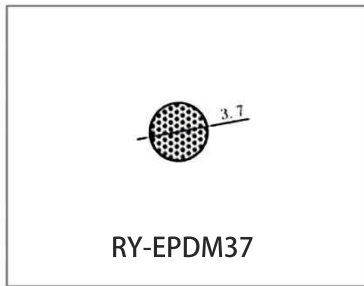
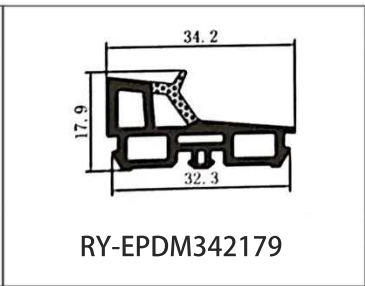
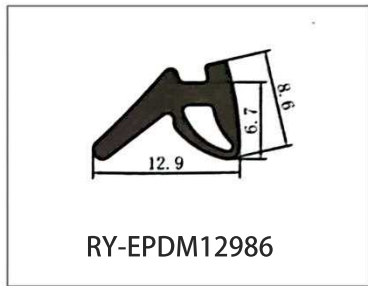
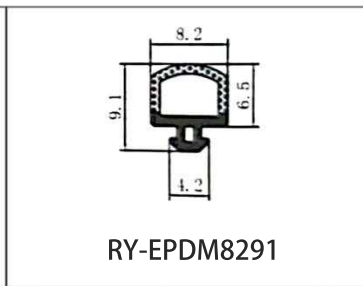
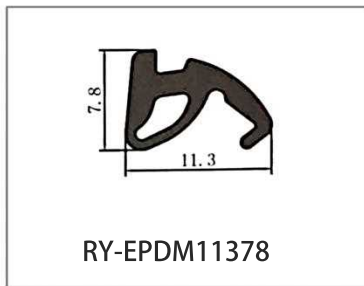
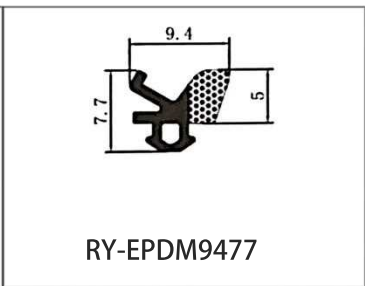
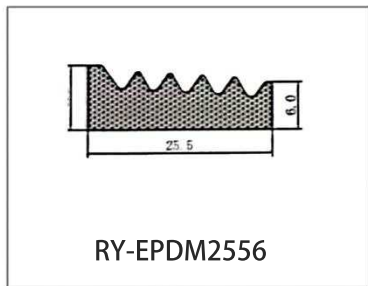
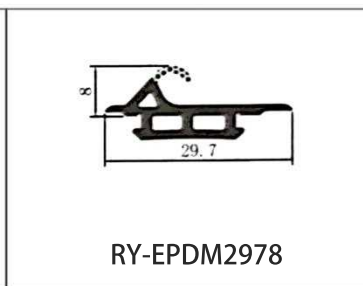
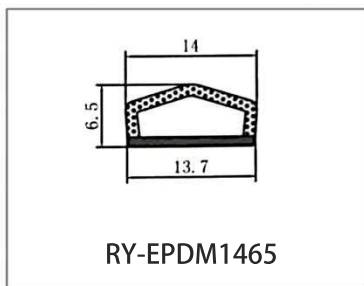
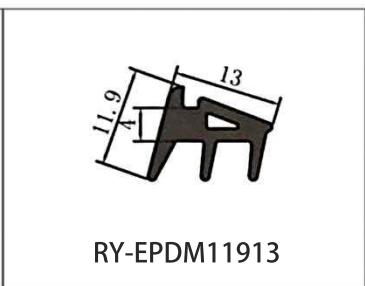
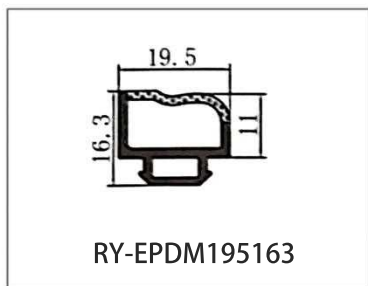
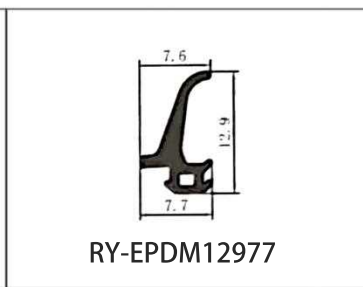
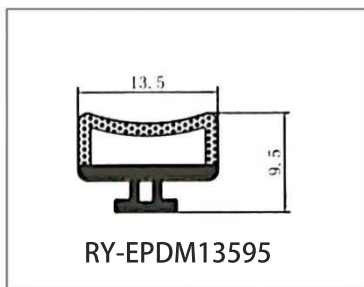
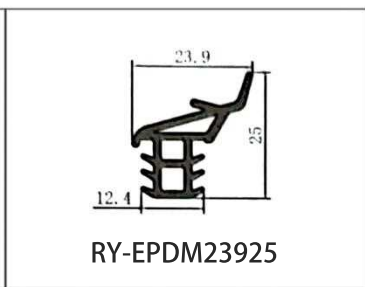
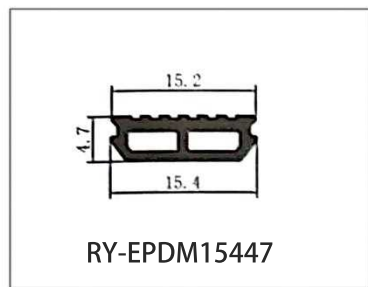
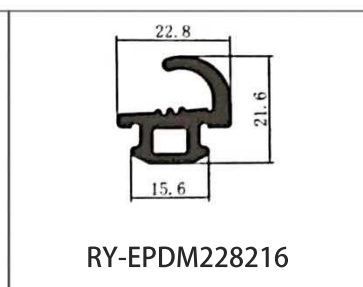
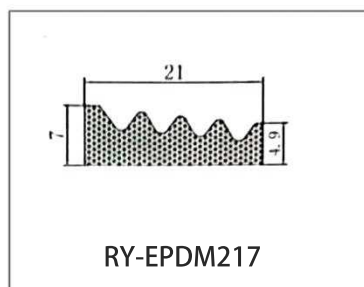
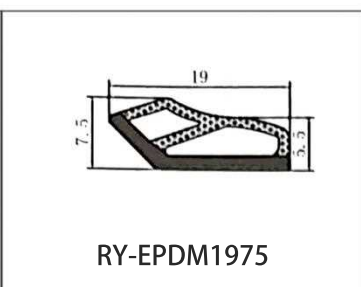
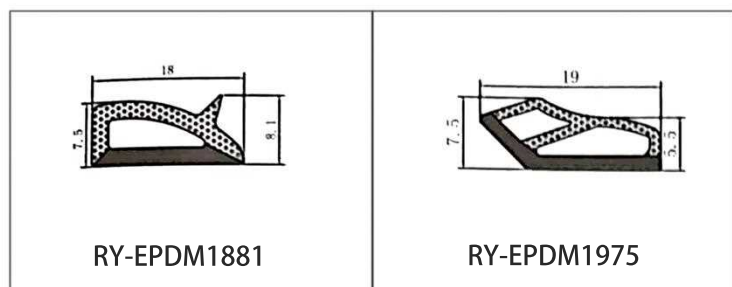


Meets a wide range of design development and utilization needs

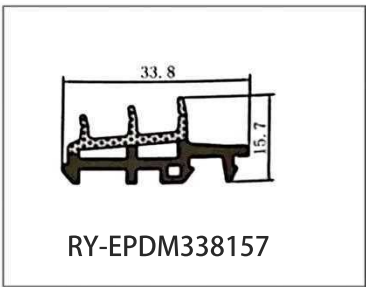
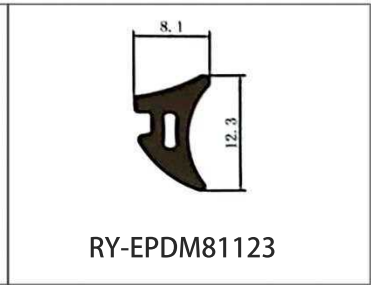
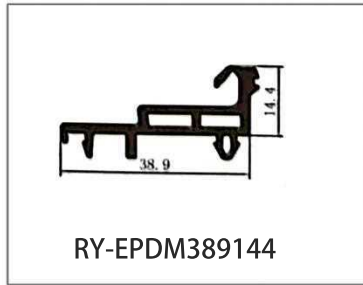
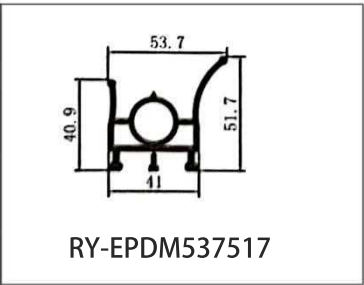
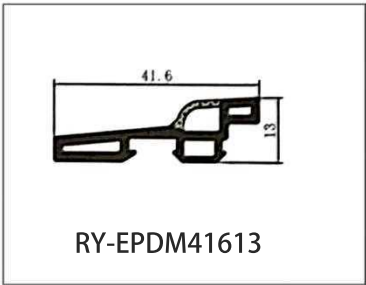
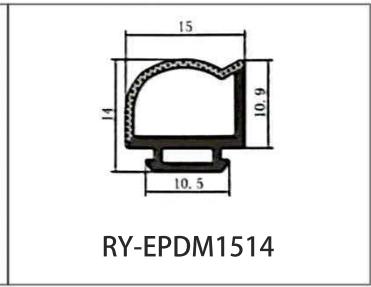
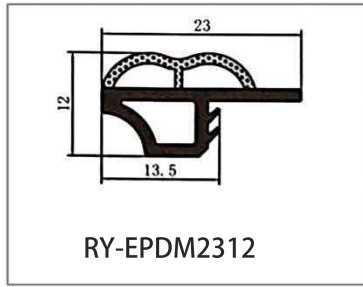
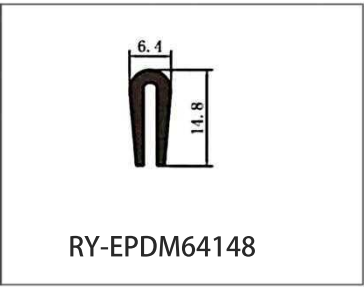
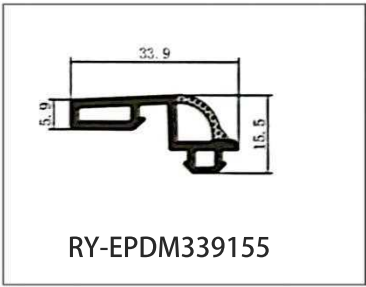
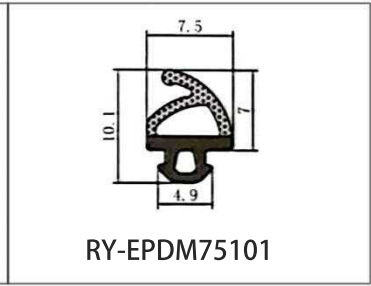
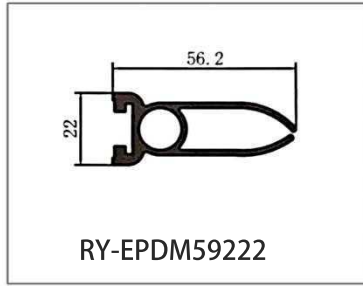
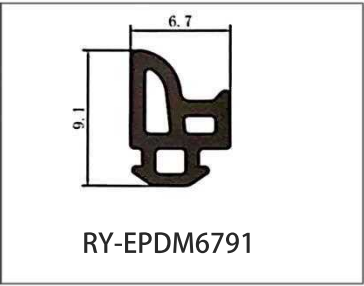
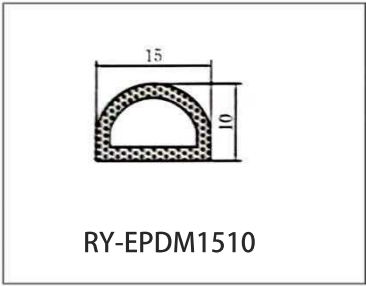
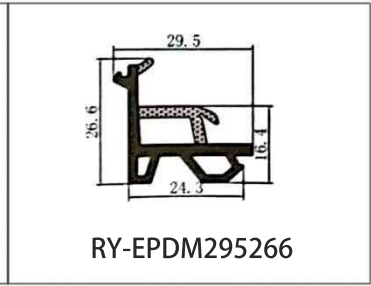
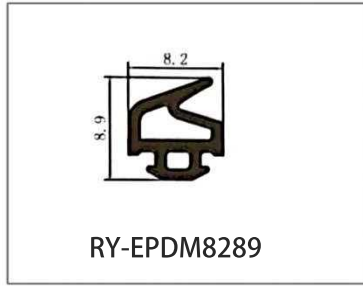
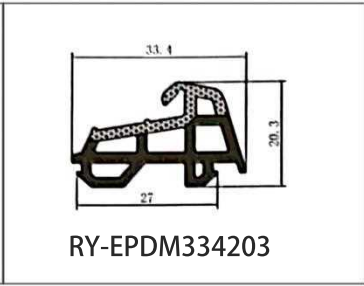
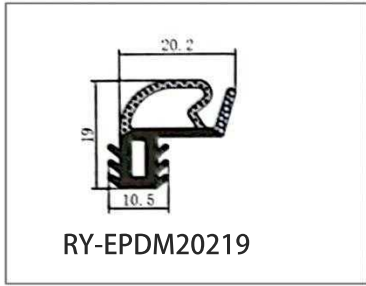
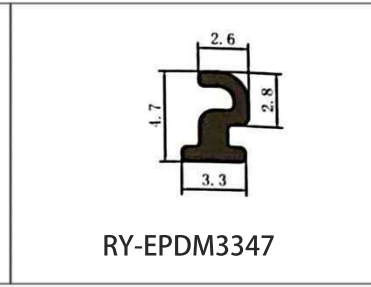
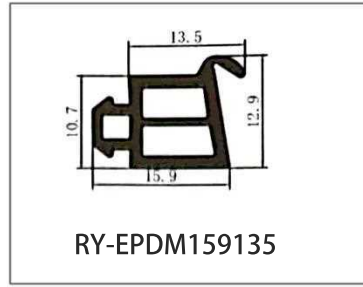
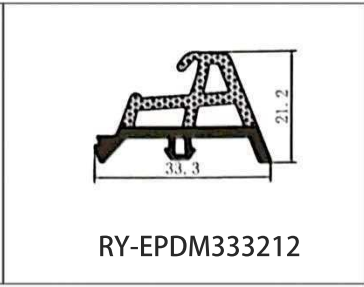
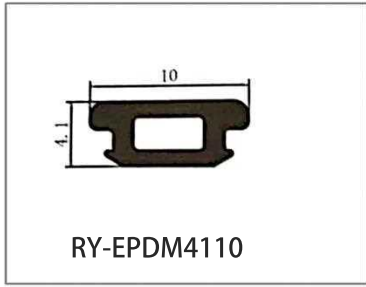


Good tensile and compressive deformation resistance

RY-EPDM SERIES WEATHER SEALING STRIP








RY-EPDM SERIES WEATHER SEALING STRIP



**RPB-YXGT SERIES
FIREPROOF INTUMESCENT SEAL FOR HIGH-SPEED TRAIN**

RPB-YXGT series fireproof intumescent strips for high-speed train are designed for both sealing solutions of reducing the sound noisy and providing fireproof protection in case of fire.

- Train doors acoustic and fireproof sealing
- Train windows acoustic and fireproof sealing
- Train floors and connection part fireproof sealing
- Bare and crossing part of wire and cable fireproof sealing

Regular color is black 
Color customization is available    



Soundproof



Smokeproof



Anti-collision



Fireproofing

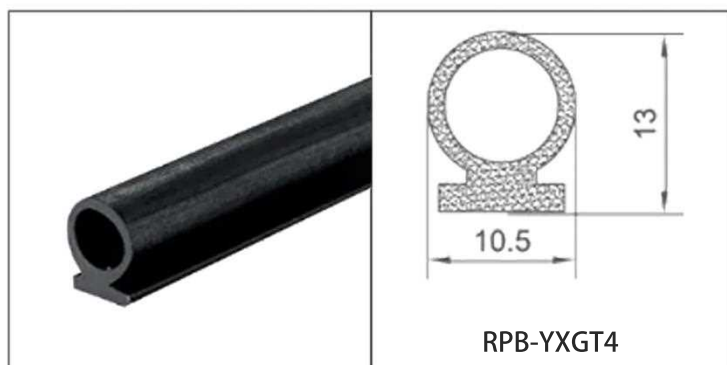
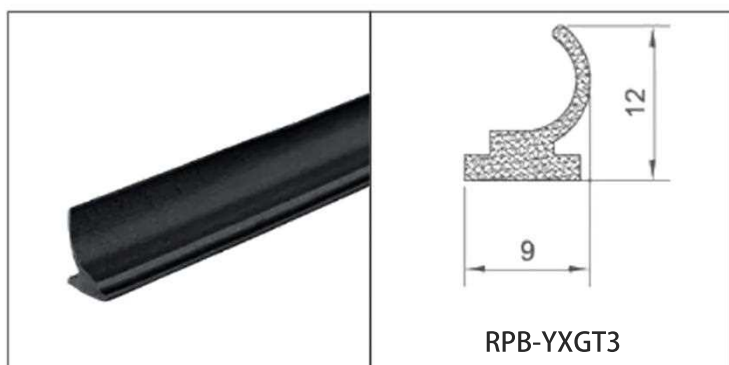
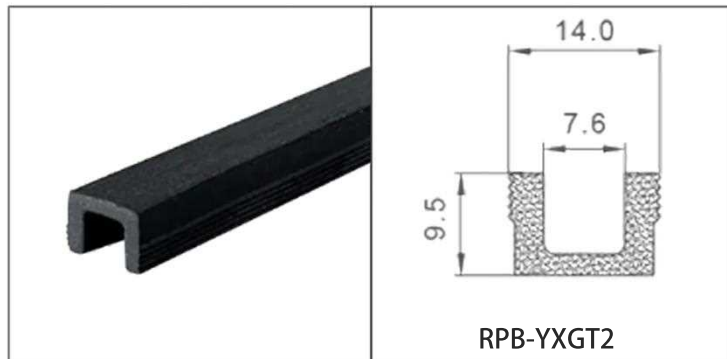
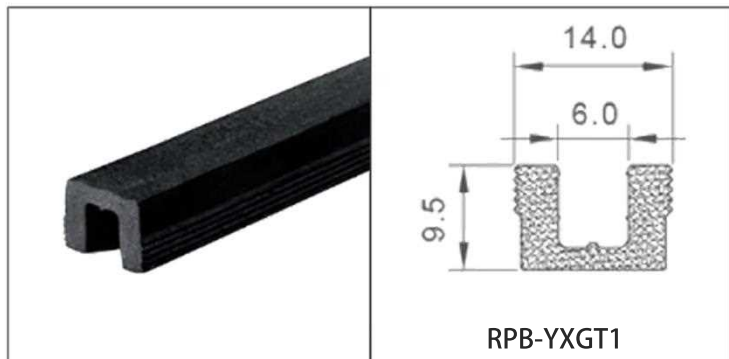


U-shaped structure with interior grooves and protrusions design ensures easy and solid installation of seals around the window glass perimeter without any adhesive. It can fix glass solidly and protect glass from shaking or movement.

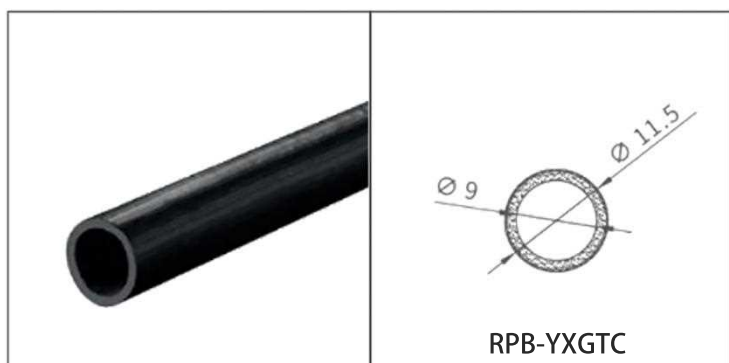


When fire happens, the intumescent material will expand to seal the space between door and frame and prevent flame smoke and heat spreading.

**RPB-YXGT SERIES
FIREPROOF INTUMESCENT SEAL FOR HIGH-SPEED TRAIN**



**RPB-YXGT SERIES
FIREPROOF INTUMESCENT LABEL SLEEVE**



The intumescent fireproof sleeve provides fire protection for cables and wires in high-speed train, especially for the bare connections and cross parts.

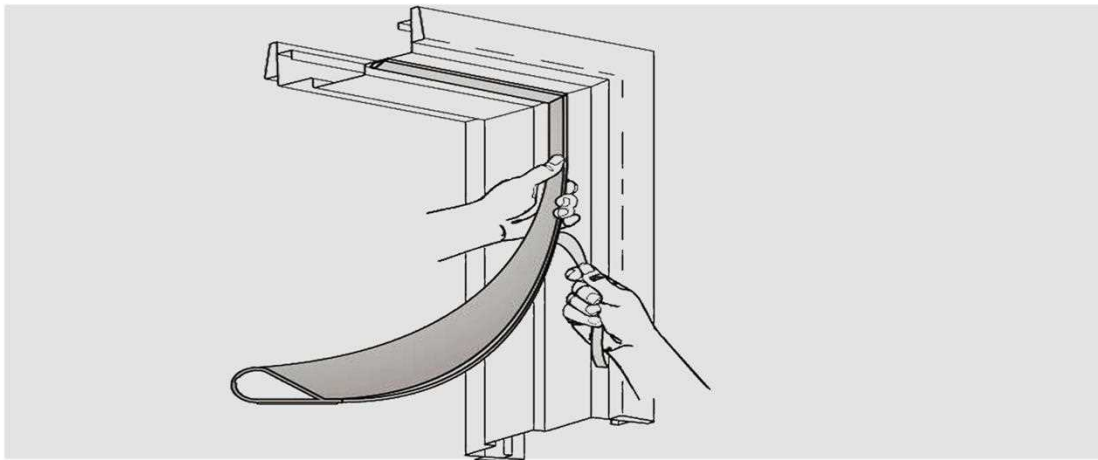
When meet fire or exposed to high temperature, the intumescent sleeve will expand to seal the gap and prevent the flame spreading along with wires, protect the inside cables and wires. And the sleeve has excellent heat dissipation performance, which will not raise the high temperature around wires and cables.

**RSR SERIES
SILICONE SMOKE SEAL FOR DOORS**

RSR series smoke seal is manufactured of high temperature silicone rubber which is self-extinguishing
It can be used on doors where require smoke protection.

- Designed for tighter frames
- Demonstrates extremely low closing force
- Impervious to fungus and mildew
- Function: Seal gaps to prevent smoke weather dust
- Product comes with strong self-adhesive
- Length: 200m/roll and 2 rolls/carton

Color is optional



RSR is an adhesive-backed silicone gasket seal, it demonstrates extremely low closing force with excellent compression and the door latches easily.



It can be installed on the perimeter of door opening to slow and prevent the passage of smoke weather sound and dirt.

**RSR/RPB SERIES
FIREPROOF INTUMESCENT AND SMOKE SEAL FOR FIREPROOF DOORS**

RSR/RPB series flexible fireproof intumescent and smoke seal is a kind of high temperature extruded silicone gasket compounding with RPB series intumescent seals.

- Intumescent material expansion ratio: 20-30times
- Demonstrates extremely low closing force
- Impervious to fungus and mildew
- Function: Seal gaps to prevent smoke weather dust fire and heat
- Product comes with strong self-adhesive

Color is optional



Windproof



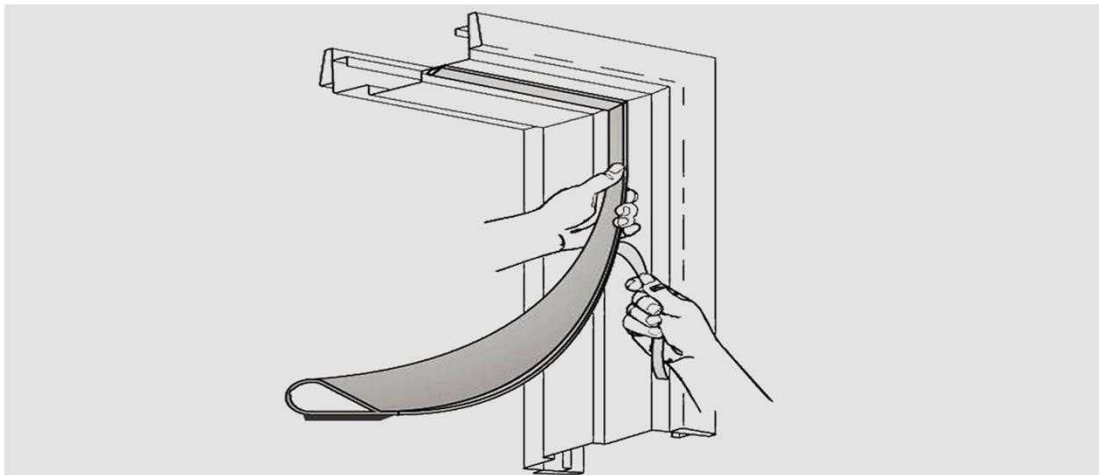
Dustproof



Smokeproof



Fireproofing

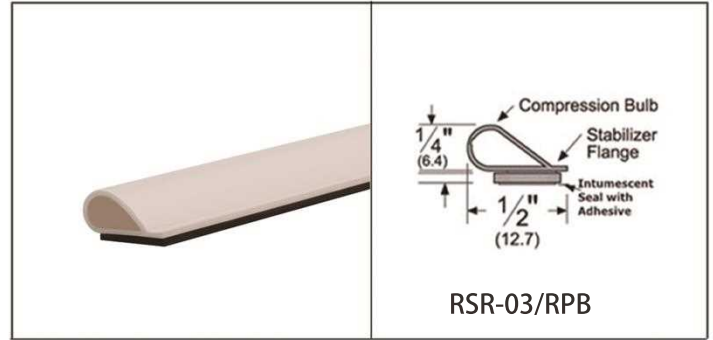
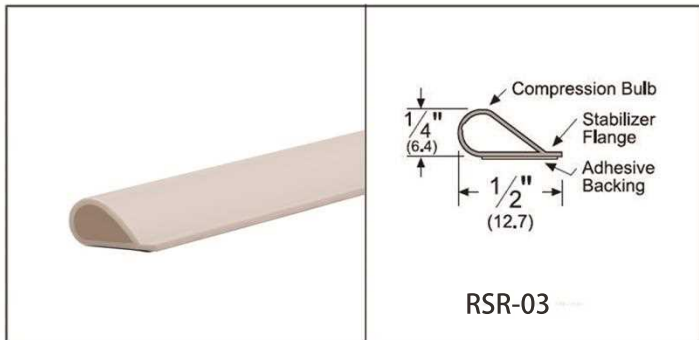
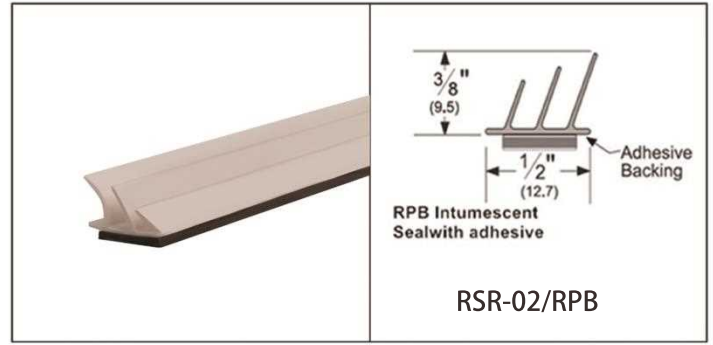
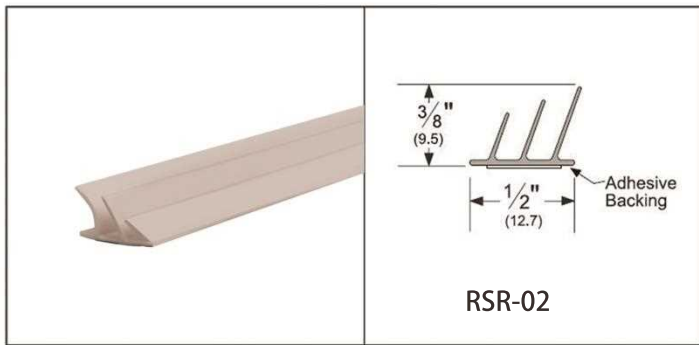
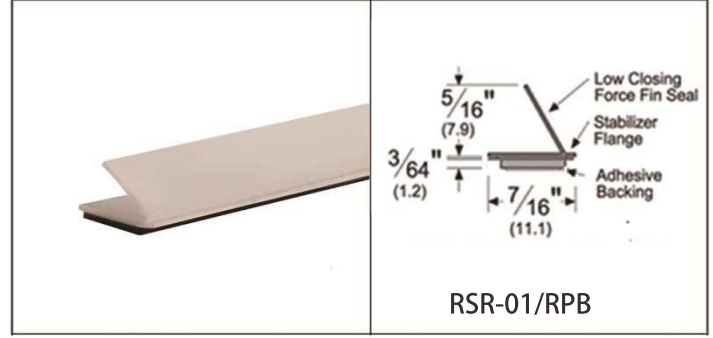
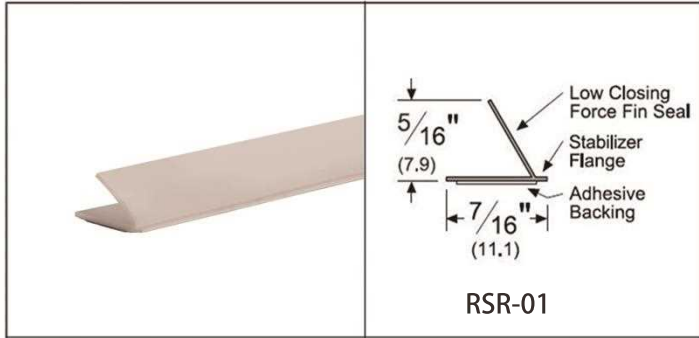


RSR/RPB can be used on fireproof doors where require both fire and smoke protection, it helps to slow the passage of smoke weather dust fire and heat.



Raw materials contain high grade graphite and silicone for excellent fire preventing performance.

RSR SERIES
RSR/RPB SERIES SIZE CHART



RPB-HW SERIES FLEXIBLE FIREPROOF INTUMESCENT COVER FOR HARDWARE

RPB-HW series flexible fireproof intumescent cover for fire door hardware are available to be customized according to specific lock body and hinges dimension, strong self-adhesive and accurate folding lines help easy installation. When exposed in high temperature or fire, it will expand to fill the door gap or the gaps between hardware and door frame, help prevent fire smoke and heat spreading.

Expansion ratio: 20-30times
Accurate cutting dimension
Customized design is available
Easy installation with strong self-adhesive

Regular color is black ■



Fireproof intumescent pad for hinge



Fireproof intumescent sleeve for viewer

**RPB-CR SERIES
CR COMPOUND FIREPROOF INTUMESCENT ACOUSTIC SEAL**

RPB-CR series seal is RPB series flexible fireproof intumescent seal compound with CR rubber seal, it has excellent fireproof smoke proof and acoustic sealing performance.

Intumescent material expansion ratio: 20-30times
Function: Seal gaps to prevent fire smoke weather dust
Product comes with strong self-adhesive

Regular color is black ■



Soundproof



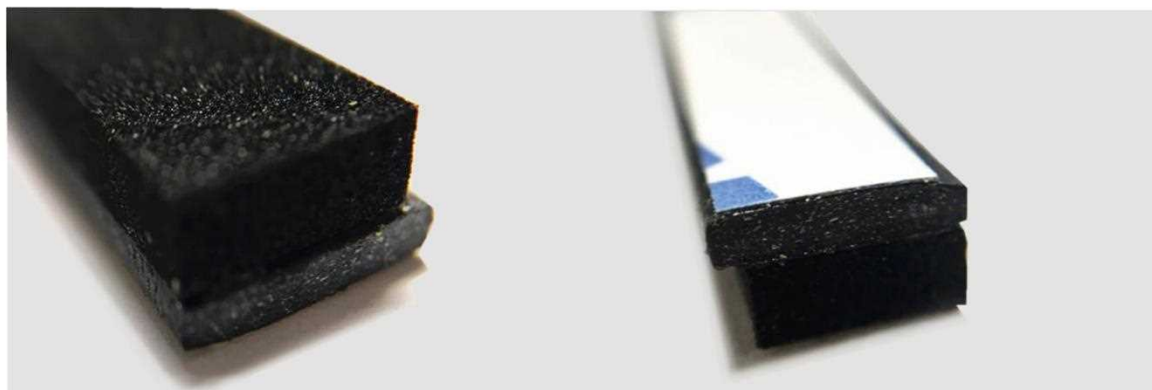
Smokeproof



Anti-collisio



Fireproofing



CR Material Technical Property

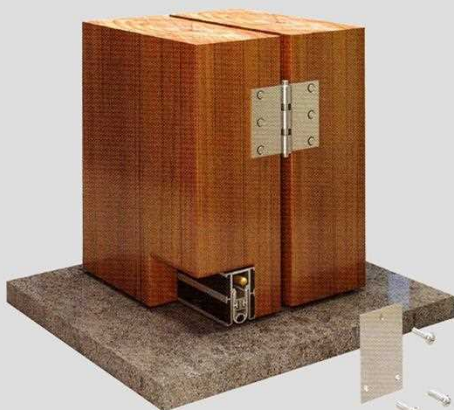
Apparent Density	170 kg/m ³
Water Absorption	5%
Compressive Strength	25 % - 85 Kpa
Shore Hardness	25
Tensile Strength	640 Kpa
Tensile Elongation Rate	202 %
Flame retardant grade	94V2
25% Compression permanent deformation (normal temperature 24 hours)	5.5%
Low temperature resistance test (-50°C, 5hours)	Keep soft no damage
High temperature resistance test (80°C, 3 hours)	No change in appearance

**RMD-RPB SERIES
FIREPROOF INTUMESCENT AUTOMATIC DROP DOWN SEAL FOR FIRE DOOR**

RMD-RPB series is combined by automatic drop down door seals and reinforced by RPB series fireproof intumescent seals it has the performance of sealing and fireproofing.

Suitable for the wooden fire door, steel fire door, industry doors, hotel doors etc
Prevent dust, hot and cold air, noisy sound, light and insect from door bottom
High quality silicone seal with long life service
Fireproof Intumescent Seal cover outside

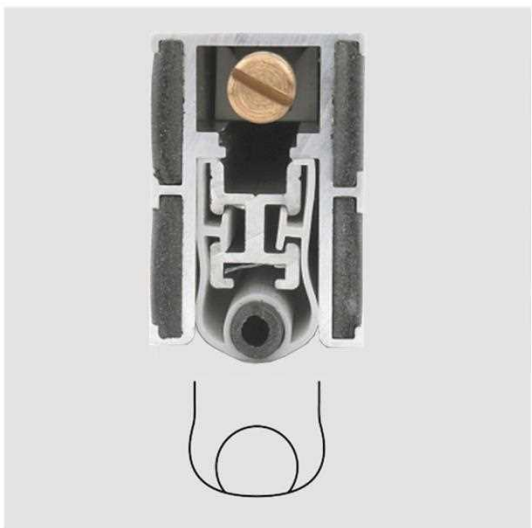
Concealed Installation Schematic



The automatic bottom door seal controls the movement of the inner sealing strip through mechanical movement.


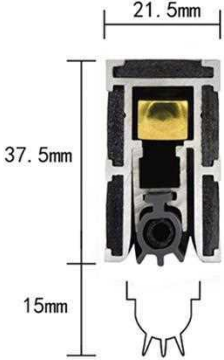
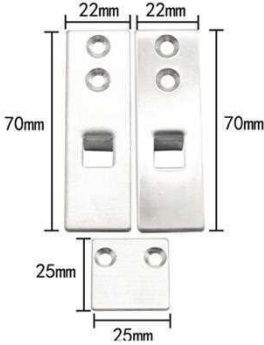
When the door is opened, the internal seals will automatically rise from the ground.

When the door is closed, internal sealing strip will be down automatically to seal the space between door and ground.




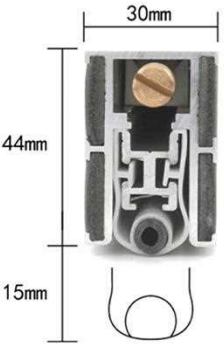
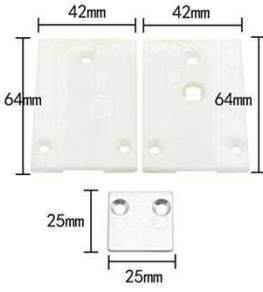
When meet fire, the intumescent seals part will start to expand to fulfill the space between door groove, door frame and ground to prevent the smoke and fire spreading.

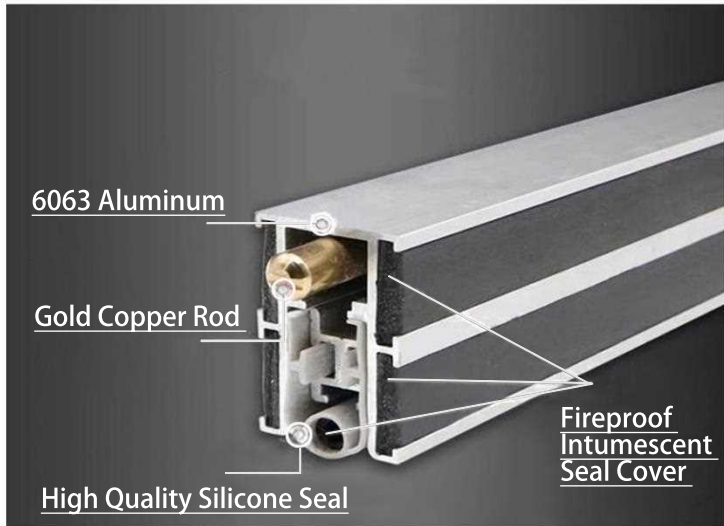
**RMD/RPB SERIES
FIREPROOF INTUMESCENT AUTOMATIC DROP DOWN SEAL FOR FIREPROOF DOORS**

 <p>RMD/RPB-02</p>			<ol style="list-style-type: none"> 1. Housing is 6063 aluminum with stainless steel fasteners and screws. 2. Using a stainless steel cover plate. 3. Square copper head as standard configuration. 4. The shell is attached with intumescent fire strips, which will intumescent rapidly after encountering flames, and is suitable for fire doors. 5. Lengths: customized from 300 mm to 1500 mm. 6. Normal lengths 800 mm, 915 mm and 1000 mm 800 mm can be cut to 700 mm 915 mm can be cut to 800 mm 1000 mm can be cut to 900 mm.
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**RMD/RPB SERIES
FIREPROOF INTUMESCENT AUTOMATIC DROP DOWN SEAL FOR FIREPROOF DOORS**

 <p>RMD/RPB-01</p>			<ol style="list-style-type: none"> 1. Housing 6063 aluminum and fixtures are nylon plates with stainless steel screws. 2. Adopting a nylon material cover plate. 3. Round brass heads are standard. 4. The shell is attached with intumescent fire strips, which will intumescent rapidly after encountering flames, and is suitable for fire doors. 5. Lengths: customized from 350 mm to 1500 mm. 6. Normal lengths 800 mm, 915 mm and 1000 mm 800 mm can be cut to 700 mm 915 mm can be cut to 800 mm 1000 mm can be cut to 900 mm.
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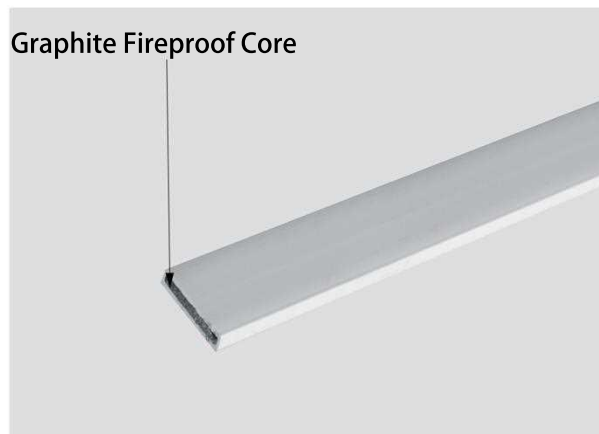


RYZ SERIES RIGID FIREPROOF INTUMESCENT SEAL FOR FIREPROOF DOORS

RYZ series rigid fireproof intumescent seal is made of graphite based intumescent strip inside and the PVC hard shell outside.

Expansion ratio: 7-30times
 No affected by water and humidity
 Easy Installation with strong self-adhesive
 Standard Length 2100mm
 Other colors are available to be customized

Regular colors are optional



RYZ series rigid fireproof intumescent strip is made of graphite based intumescent strip inside and the PVC hard shell outside.



When fire happens, material will expand into 7-30times to seal the space between door and frame, prevent the passage of flames and superheated gases from travelling from one compartment to another.

**RYZ SERIES/ RYZS SERIES/ RYZP SERIES
RIGID FIREPROOF INTUMESCENT SEAL FOR FIREPROOF DOORS**



RYZ Series	T*W (mm)	RYZ Series	T*W (mm)
RYZ4010	4*10	RYZ4025	4*25
RYZ4015	4*15	RYZ4030	4*30



RYZP Series	T*W (mm)	RYZP Series	T*W (mm)
RYZP4010	4*10	RYZP4025	4*25
RYZP4015	4*15	RYZP4020	4*20



RYZS Series	T*W (mm)	RYZS Series	T*W (mm)
RYZS4010	4*10	RYZS4025	4*25
RYZS4015	4*15	RYZS4020	4*20

RYZW SERIES RIGID FIREPROOF INTUMESCENT SEAL FOR FIREPROOF DOORS

RYZW series rigid fireproof intumescent seal is a kind of adhesive-backed seal with sodium silicate intumescent core inside and hard PVC casing outside.

Expansion ratio: 3-5times

Product comes with strong self-adhesive

Length: 1750-2200mm or customized

Regular color is brown



Color customization is available



RYZW uses high-performance double-sided tape for easy peel-n-stick application. For the unique door painting, nail installation will help increase stability.



When exposed to heat, product will expand 3-5 times from thickness direction to seal the space between fireproof door and frame and help to prevent the fire heat and smoke spreading.

**RYZW SERIES
RIGID FIREPROOF INTUMESCENT SEAL FOR FIREPROOF DOORS**



Product Code	T*W (mm)	Product Code	T*W (mm)
RYZWP4010	4*10	RYZWP6010	6*10
RYZWP4015	4*15	RYZWP6015	6*15
RYZWP4020	4*20	RYZWP6020	6*20
RYZWP4025	4*25	RYZWP6025	6*25
RYZWP4030	4*30	RYZWP6030	6*30
RYZWP4038	4*38	RYZWP6040	6*40



Product Code	T*W (mm)
RYZWYX1	
RYZWYX2	



Product Code	T*W (mm)
RYZWU	

RYZW SERIES RIGID FIREPROOF INTUMESCENT SEAL FOR FIREPROOF DOORS



Product Code	T*W (mm)	Product Code	T*W (mm)
RYZWS4010	4*10	RYZWS6010	6*10
RYZWS4015	4*15	RYZWS6015	6*15
RYZWS4020	4*20	RYZWS6020	6*20
RYZWS4025	4*25	RYZWS6025	6*25
RYZWS4030	4*30	RYZWS6030	6*30
RYZWS4038	4*38	RYZWS6040	6*40



Product Code	T*W(mm)	Product Code	T*W (mm)
RYZWP4010	4*10	RYZWP6010	6*10
RYZWP4015	4*15	RYZWP6015	6*15
RYZWP4020	4*20	RYZWP6020	6*20
RYZWP4025	4*25	RYZWP6025	6*25
RYZWP4030	4*30	RYZWP6030	6*30
RYZWP4038	4*38	RYZWP6040	6*40



Product Code	T*W(mm)	Product Code	T*W (mm)
RYZWP4010-2	4*10	RYZWP6010-2	6*10
RYZWP4015-2	4*15	RYZWP6015-2	6*15
RYZWP4020-2	4*20	RYZWP6020-2	6*20
RYZWP4025-2	4*25	RYZWP6025-2	6*25
RYZWP4030-2	4*30	RYZWP6030-2	6*30
RYZWP4038-2	4*38	RYZWP6040-2	6*40

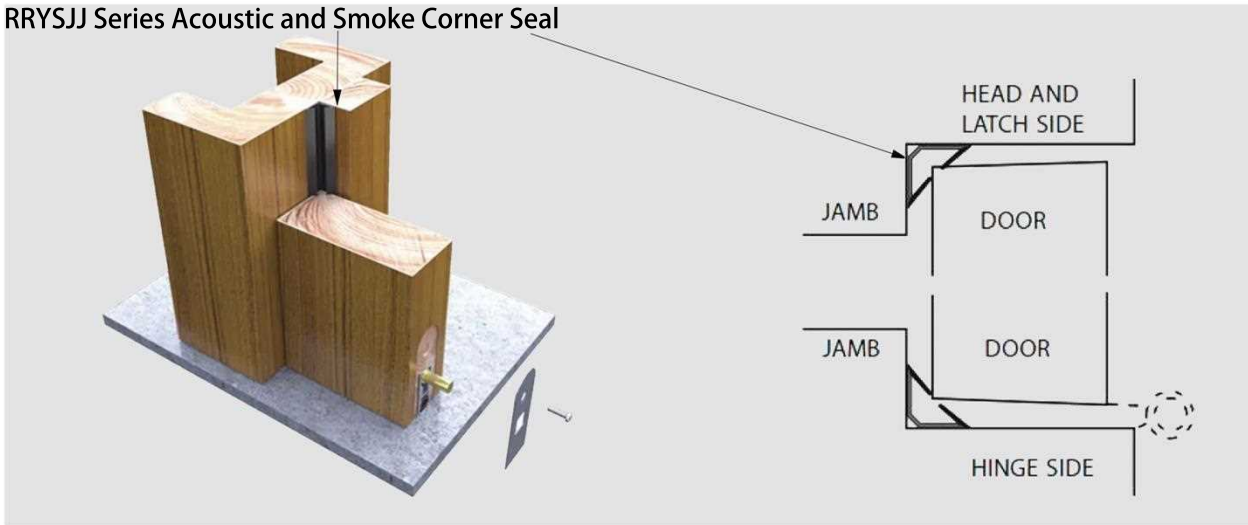
**RRYSJJ SERIES
ACOUSTIC AND SMOKE CORNER SEAL**

RRYSJJ series acoustic and smoke corner seal provides the acoustic smoke and heat (cold & hot) sealing for the gaps of door edges and frames.

- Unique easy installation
- Product comes with strong self-adhesive
- Minimum gap seal size 3mm/4mm
- Excellent compression and deflection performance
- Reduced door closing force due to a low co-efficient material of fins

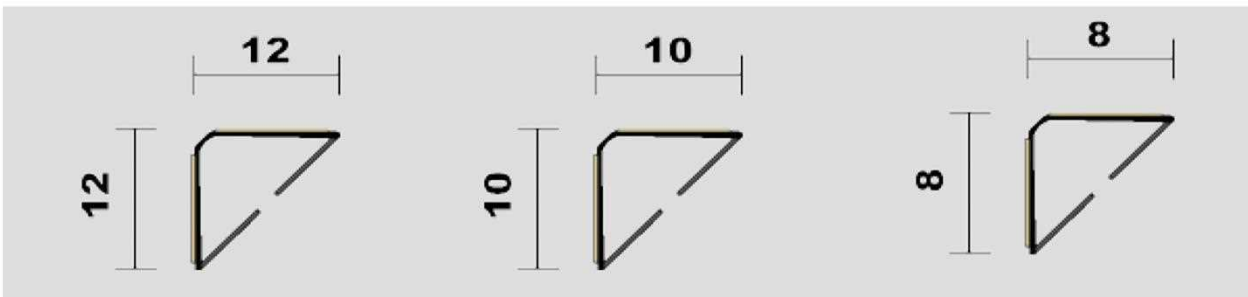
Regular color is brown 
Color customization is available    

RRYSJJ Series Acoustic and Smoke Corner Seal



Rigid part is typically used to maintain shape and provide structural support, while soft part is utilized for sealing and flexibility, ensuring better adaptation to various surfaces and shapes.

This combination effectively prevents smoke from infiltrating indoors through door or window gaps, while ensuring durability and reliability in installation.



RRY SERIES ACOUSTIC AND SMOKE SEAL

RRY series acoustic and smoke seals demonstrate effective acoustic and smoke perimeter sealing for use in new or retrofit door applications.

Unique easy installation

Minimum gap seal size 2mm-4mm

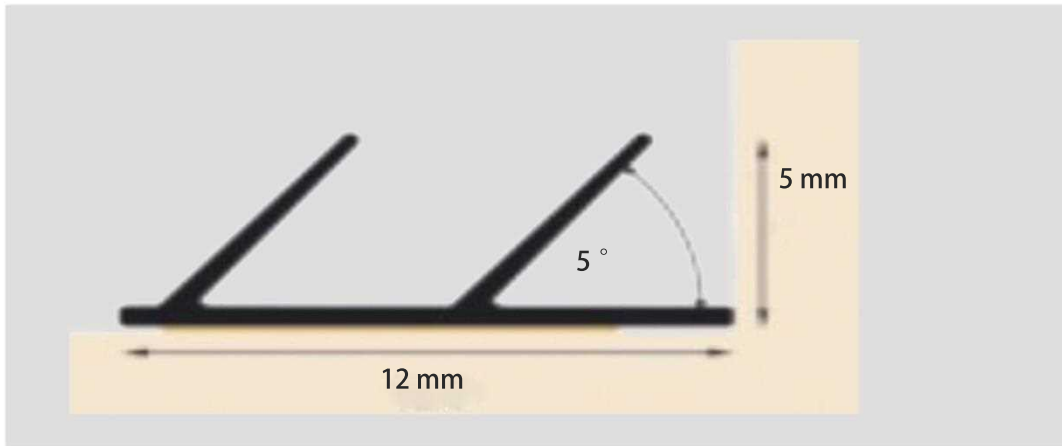
Excellent compression and deflection performance

Lower opening and closing forces than a bubble seal

Good tear strength, which is important in a flipper application

Regular color is brown

Color customization is available

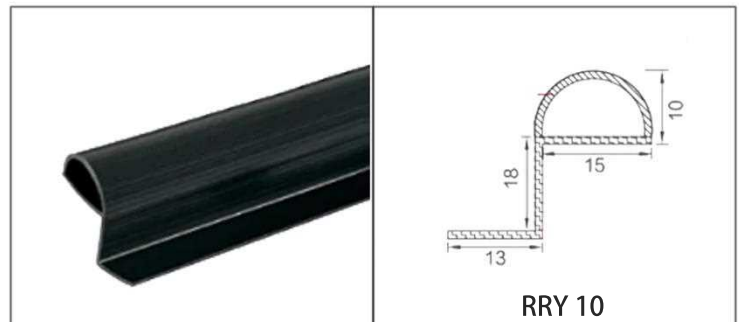
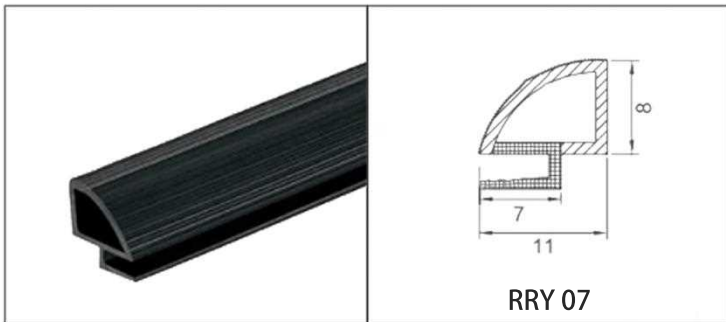
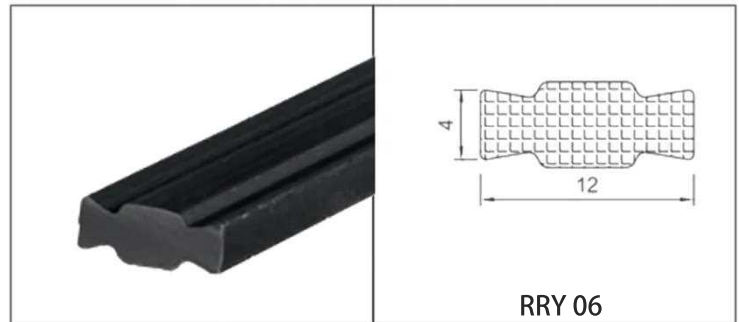
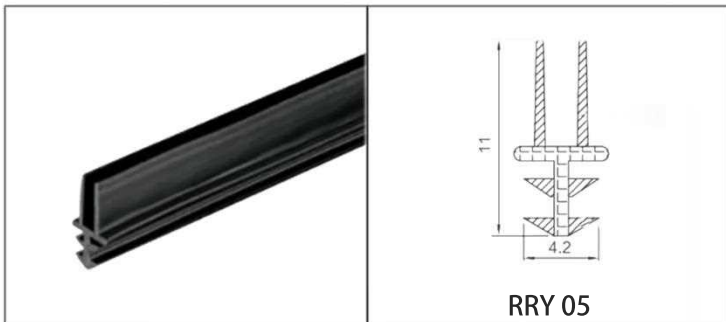
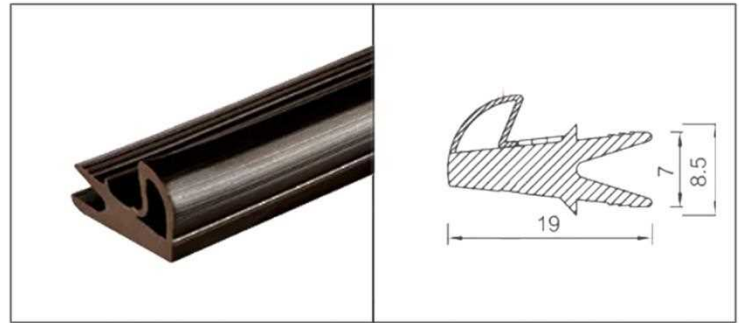
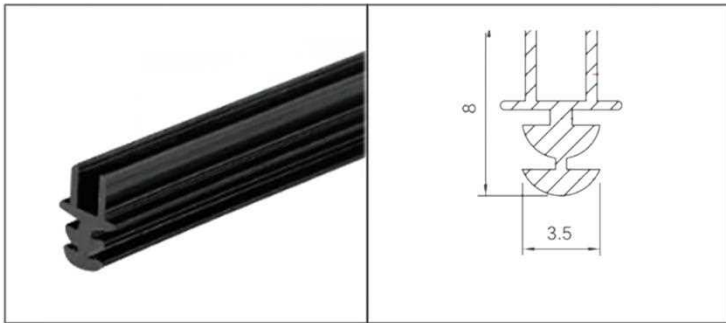
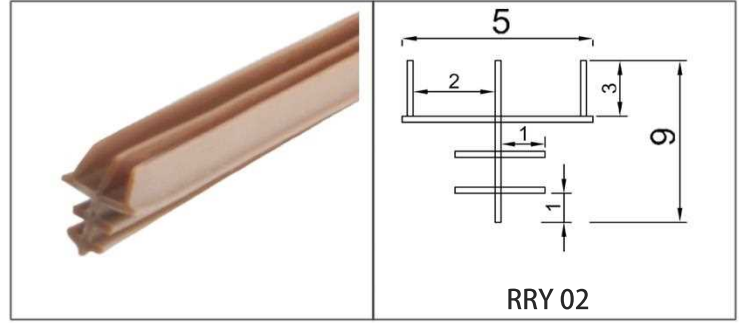
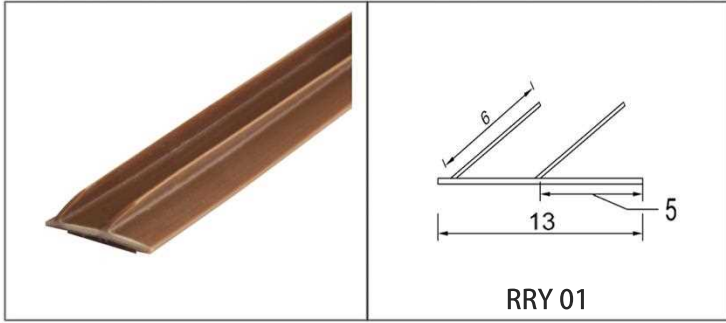


RRY01 acoustic double flippers seal with self-adhesive

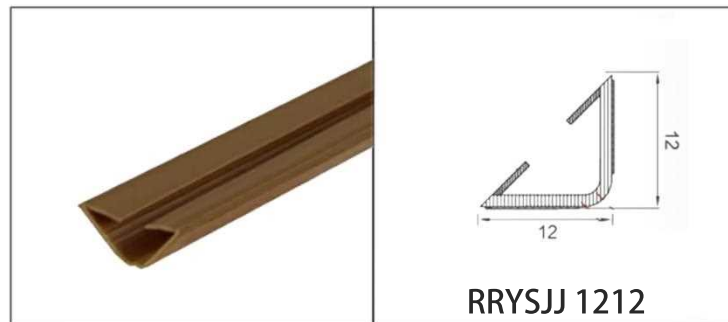
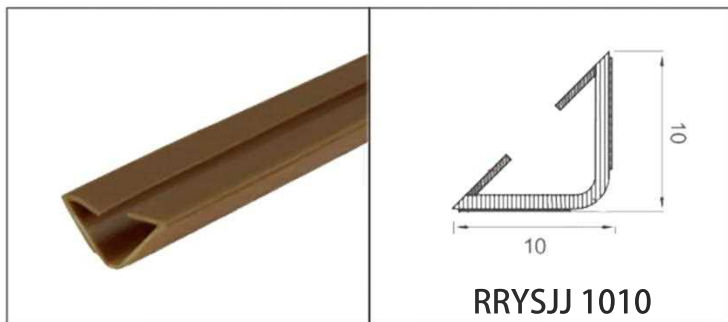
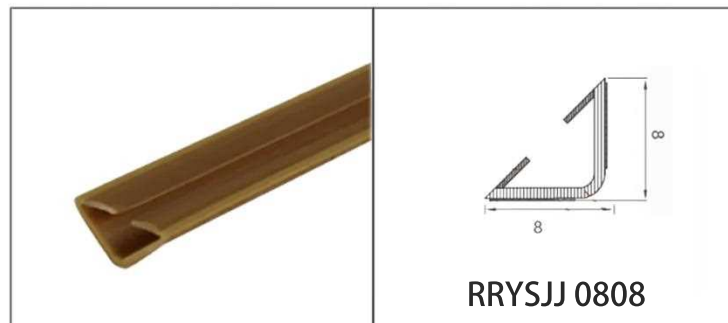
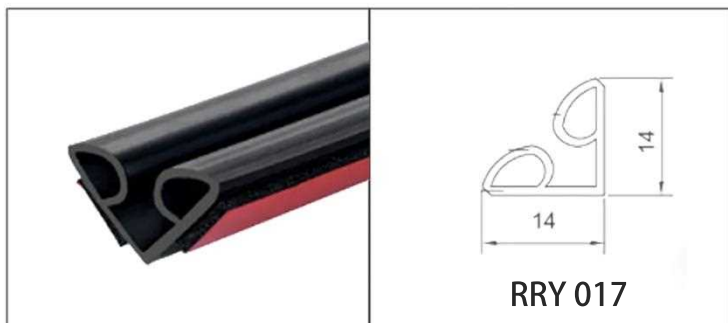
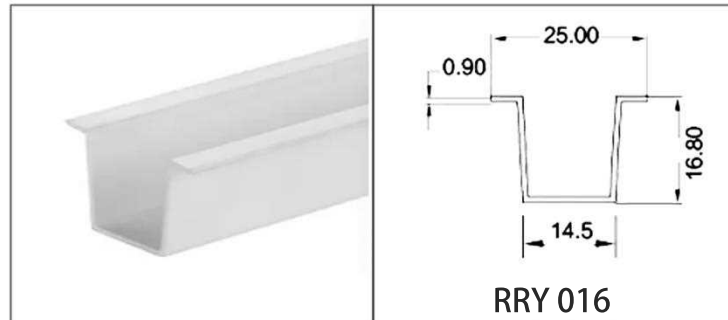
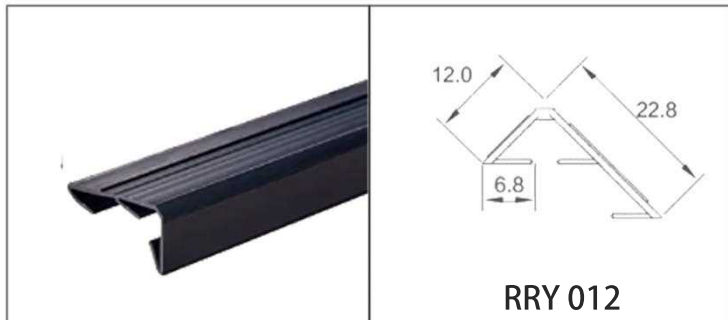


RRY02 acoustic trident seal with insert installation design

**RRY SERIES
ACOUSTIC AND SMOKE SEAL**



**RRY SERIES
ACOUSTIC AND SMOKE SEAL**



Contact Us



Contact Us

We appreciate your interest in our products. For inquiries and further information please reach out to us through the following channels

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Tiktok: <https://www.tiktok.com/@intumescentsealressa>

We look forward to assisting you!