

REX-205/25

Extremely Advanced Pipe & Cable Penetration Sealing System



REX-205

REX-25



Applications

- Fire-retardant sealing for cable penetration
- Fire-retardant sealing for Metal & Plastic (PVC, PP, R, etc.) Pipe penetration
- Water and gas proof for piping, electronic & testing elements

Features

- Fire rating: A-0 (without insulation), A-60
- Excellent intumesence and heat absorption
- High elasticity and high tensile strength
- High bonding strength
- Gas-tight
- Water-tight
- UV light and ozone resistance
- Variety of sizes, which conform to all wiring standards
- No negative changes in repelling cold and heat

Specifications

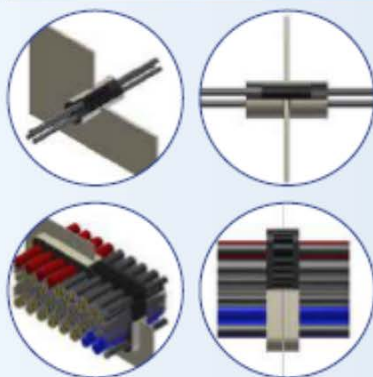
- Color: Matt Black
- Total drying time: 120 hours (20 mm)
- Surface drying time : 1 to 2 hours
- Storage life: 12 months
- Service temperature: -62 °C ~ 180 °C
- Specific gravity: about (1.15±0.03) g/cm³
- Tensile failure: 75%
- Hardness: 40 shore A
- Elasticity: 20%
- Storage temperature: Room temperature
- UV test: Grade 5, (40±1) °C, 24 hours
- Cold shock: No crack, (-60±1) °C, 3 minutes

Perfect tightness against cellulosic fire up to A-60 rating in bulkheads and decks with excellent fire-resistance, expandability and endothermic performance

REX-205/25 help the customer could seal penetration area more easily and widely with dramatically reduced penetration coaming or sleeve length. **REX-205/25** sealing system could make perfect tightness against cellulosic fire up to A-60 rating in bulkheads and decks with excellent fire-resistance, expandability and endothermic performance.

REX-205/25 expand up to 25 times its original volume when exposed to temperatures above 160 °C. Expanding performance consume thermal energy by fire and make porous layers which could slow down the heat conduction. Also, this system is not accompanied by the formation of large amounts of fumes.

Cable



Dimension table of REX-25 sleeve for Cable (A class fire rating)

Size (O.D./I.D.)	REX-25 sleeve		Applicable
	Length (mm) A-class	Wall Thickness	Cable Diameter
12x6	60	3	5.7
14x8		3	7.9
16x10		3	9.1
18x12		3	11.13
20x14		3	13.15
22x16		3	15.17
27x19		4	17.21
31x23		4	21.25
35x27		4	25.29
39x31		4	29.33
45x36		5	33.39
52x42		5	39.45
58x48		5	45.51
64x54		5	51.57
70x60		5	57.63
M27x19		3	17.21
M18x12		3	11.13
R10		10	Filter (All sizes)

unit: mm

Pipe



Dimension table of REX-25 sleeve for Pipe (A class fire rating)

Applicable		REX-25 sleeve	
Pipe Size (O.D.)		TYPE (mm)	Length (mm) A-class
JIS	ANSI	PND P70(1) / P90(1) / P90(2) & RCD R70(2) / R90(2) / R90(3)	40
21.7	21.3		
27.2	26.7		
34.0	33.4		
42.7	42.2		
48.6	48.3		
60.5	60.3		
76.3	73.0		
88.1	88.9		
101.6	101.6		
114.3	114.3		
139.8	141.3		
165.2	168.3		
216.3	219.1		
267.4	273.0		
318.5	323.8		

Cable, Multi Core Tubing & Pipe Penetration Sealing System



Applications

- Fire-retardant sealing for cables
- Fire-retardant sealing for multi-core tubing
- Fire-retardant sealing for steel, SUS, PVC, PPR, copper pipes
- Water and gas proof sealing for electronic and wiring elements

Features

- Fire rating: A-0 (without insulation), A-60 & H-120 class
- Excellent intumesce and heat absorption
- High elasticity and high tensile strength
- High bonding strength
- Gas-tight: 0.5 bar
- Water-tight: 2.5 bar
- UV light and ozone resistance
- Variety of sizes, which conform to all wiring standards
- No negative changes in repelling cold and heat

Specifications

- Color: dark gray
- Total drying time: 120 hours (20mm)
- Surface drying time: 1 to 2 hours
- Storage life: 12 months
- Service life: more than 50 years
- Service temperature: -62°C to 180°C
- Specific gravity: about 1.12±0.03 g/cm³
- Tensile strength: 8.15 kgf/cm² (=0.80 MPa)
- Tensile failure: 80%
- Hardness: 40 shore A
- Elasticity: 25%
- Storage temperature: room temperature
- UV test: grade 5, [40±1]°C, 24 hours
- Cold shock: no crack, [-55±1]°C, 3 minutes

RRS-15 is a special rubber compound which is fire-resistant, intumescent and endothermic.

RRS-15 is a special rubber compound which is fire-resistant, intumescent and endothermic.

When **RRS-15** is exposed to temperatures over 180°C, it expands up to 20 times its original volume.

Carbonized mass is produced in the process which creates excellent thermal insulation ability.

RRS-15 M18/12 and M27/19 can be supplied in non-split multi-units of 10 pieces bonded together.



Dimensional Data of RRS-15 (A&H class)

Type	Cable Diameter (mm)	Length (mm)		Wall Thickness (mm)
		A-class	H-class	
12/6	5-7	140/160	210	3
14/8	7-9			3
16/10	9-11			3
18/12	11-13			3
20/14	13-15			3
22/16	15-17			3
27/19	17-21			4
31/23	21-25			4
36/27	25-29			4
39/31	29-33			4
45/36	33-39			5
52/42	39-45			5
58/48	45-51			5
64/54	51-57			5
70/60	57-63			5
PAD	over than 64			customize
M18/12	multi-type			3
M27/19	multi-type			3

Putty Type Sealing Compound



Applications

- Ships
- Marine plants
- Nuclear power facilities
- Specialized buildings cables
- Fire-retardant sealing for PVC, PP-R & PB pipes
- Repairing electronic & wiring elements

Features

- Fire rating: A-60 class
- Eco-friendly
- Easy installation and replacement
- Excellent performance and durability
- Ultralight weight

Specifications

- Color: light grey
- Surface drying time: 1 to 2 hours
- Capacity: 10 kg (500g x 20 pack) / Box
- Storage life: 6 months
- Service temperature: -30°C to 450°C
- Specific gravity: 1.1 g/cm³
- Hardness: 90 shore A
- pH: 11.5
- IP class: IP44

Comparative Analysis between FS-7200 and Other Brand

	Remiseal FS-7200	Others	Remarks
Color	Light grey	Light grey	
Specific Gravity	1.1	1.1	
pH	11.5	11.8	
Hardness	90 shore A	90 shore A	
Fire Test (1)	Passed (coaming size 200mm)	Passed	IMO A.754(18) A-60 deck & bulkhead
Fire Test (2)	Passed (coaming size 90mm)		IMO A.307(88) A-60 deck & bulkhead
Halogen	None	None	
Storage life	6 months		under 18°C
IP44 Test	Passed		

Non-combustible Sealant



Features

- Highest level of fire-resistance
- Strong adhesion
- Halogen free
- Nontoxic and almost smokeless
- High temperature service compound
- Anti-bacterial
- Water-resistant

Specifications

- Color: dark grey
- Surface drying time: 1 to 2 hours
- Capacity: cartridge [310ml]
- Storage life: 12 months
- Service temperature: -65°C to 450°C
- Specific gravity: about 1.24g/cm³
- Hardness: 40 shore A
- Storage: room temperature
- Main ingredients: silicone
- Solid: over 98%

Applications

- Sealing high temperature elements
- Ships
- Cars
- General industry
- Advanced construction

Special Application

- Penetration Sealing in
Remittive BB Bushings
(Special rubber bushing)

Fire-retardant Silicone Sealant



Features

- Powerful sealant
- Fire-retardant
- Nontoxic and almost smokeless
- Excellent elasticity and high tensile strength
- Anti-bacterial
- Water-resistant
- Electric transmission resistant
- UV light and ozone resistant

Specifications

- Color: matched for customer's request
- Surface drying time: 1 to 2 hours
- Capacity: cartridge [310ml]
- Storage life: 12 months
- Service temperature: -65°C to 250°C
- Specific gravity: about 1.0g/cm³ to 1.3g/cm³ [1.05g/ml]
- Tensile strength: 21.4kgf/cm² [2.1N/mm²]
- Adhesive strength: 588N [20mm], 755N [25mm], 1372N [40mm], 1488N [45mm], 1646N [50mm]
- Tensile failure: 410%
- Hardness: 35 shore A [22°]
- Shrinkage: 3%
- Viscosity: non-slump paste
- Elasticity: 0.8 N/mm² [modulus of elasticity]
- Storage temperature: room temperature
- UV test: grade 5, [40±1]°C, 24 hours
- pH: neutral
- Main ingredients: silicone
- Solid: over 98%

Applications

- Ships
- Cars
- General industry
- Advanced construction

Fire-retardant, Anti-noise & Anti-vibration Device



Features

- ✦ Fire-resistant, nontoxic and almost smokeless
- ✦ High tensile strength
- ✦ High durability
- ✦ Standard or custom made for customer's needs (anti-vibration mount, support, mat)
- ✦ Easy installation
- ✦ Easy maintenance

Specifications

- ✦ Color: dark grey
- ✦ Service life: more than 40 years
- ✦ Service temperature: -60°C to 250°C
- ✦ Specific gravity: 1.6g/cm³ to 1.8g/cm³
- ✦ Compressive strength: 0.27 MPa to 0.64 MPa [25%]
- ✦ Hardness: 25 to 70 shore A
- ✦ Storage temperature: room temperature
- ✦ Cold shock: no crack, [-55±1]°C, 3 minutes
- ✦ Maximum tensile load: 5480N

Anti-vibration Mounting for Walls & Ceiling Panels



Support for the ceiling and wall panels of ships or marine structures, which minimize vibration by installed fire-resistant rubber.

- Application s
- Girders and rail panels of ships or marine structures

Anti-vibration Mounting for Walls & Equipment



Available in many different sizes to protect the foundations of driving machines, electric equipment, switchboards and lamps aboard ship using installed fire-resistant rubber to minimize vibration.

- Application s
- Foundations of fans, standing units and auxiliary machine units
 - Foundations of electrical control
 - Foundations of lighting supports

Anti-vibration Hanger Hook



Protect metallic components from vibration with rubber-coated hanger hooks on contact points between components

- Application s
- Hooks for hanging ceiling panel channels
 - U-bolts for hanging pipes
 - Clamps

Anti-vibration Pad



Available in many sizes and different thicknesses for installation against vibration and shock. These pads are also available red-stained.

- Application s
- Foundations and pads of machinery
 - Whipping cables
 - Sealing pipes

Fire-retardant Back Box



Effective in preventing electrical switches and equipment from fire, also helpful in preventing fire from spreading to other areas through the hole by expanding up to 20 times its original volume when exposed to over 100°C.

- Application s
- Switches, fire-alarms
 - R/TV outlets
 - Electric equipment

Flexible Duct Joint



Designed for a wide variety of flexible duct joints for HVAC system

Damping Clip

Remitte FS-X1 is a remarkable anti-vibration and fire-resistant device. It performs well for protecting metallic components from vibration and in fire-resistant and fire prevention applications.

FS-X1 has passed durability tests as well as the stringent regulations of the International Maritime Organization.

FS-X1 Damping Clip provides easy installation and replacement without any special adhesive.

FS-X1 Damping Clip provides perfect protection fire, vibration, noise for pipe with pipe isolation.

Features

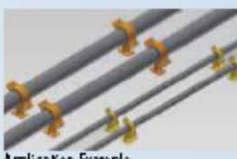
- Fire-resistant, nontoxic and almost smokeless
- High tensile strength
- High durability
- Standard or matched at customer's request (thickness, width, length, shape)
- Easy installation
- Easy maintenance

Specifications

- Color: matt black
- Service life: more than 40 years
- Service temperature: -60 °C – 350 °C
- Density: 1.43 g/cm³
- Compressive set: 14–18%
- Tensile strength: 2.8 MPa
- Elongation: 400%
- Abrasion: M–H (M: Middle), L (Low), H (High)
- Storage Temperature: room temperature
- Cold shock: No crack, (-55±1 °C)

Applications

- Non-insulated pipe clamp
- Insulated pipe clamp
- Useful to all pipes (STEEL, SUS, COPPER, P.V.C, FRP, GFR, PE, PP-R, PE, ETC)



Application Example



Non-combustible Special Rubber Bushing



With RB series, customer can forget the cable protection including fire for human safety.

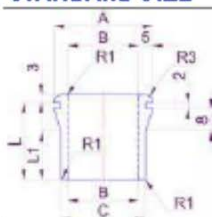
Features

- ✦ Fire rating: B-15, B-0 class
- ✦ Non-combustible
- ✦ Flexible
- ✦ Non-toxic
- ✦ High durability
- ✦ Oil and paint-resistant
- ✦ Grey color
- ✦ Easy Installation
- ✦ Anti-vibration
- ✦ Anti-noise
- ✦ Almost smokeless

Specifications

- ✦ Because Remitte rubber bushing is very flexible, it can be very easy to install and remove for maintenance.
- ✦ RB Series can be stuck to the wall panel surface by surface tension.
- ✦ Soft rubber bushing can supply perfect cable protection to the wall panel edge from vibration and fatigue stress.
- ✦ Customer widely and easily choose the type for application purpose with different material types.

STANDARD SIZE



TYPE	φA	φB	φC	L	L1
RB-25L	30	20	25	30	20
RB-30L	35	25	30	30	20
RB-35L	40	30	35	30	20
RB-45L	50	40	45	30	20
RB-50P	35	25	30	55	45

* Every size on this list is customer's option to possible with extra charge

Fire-resistant, Non-combustible Special Rubber Cover Bushing



It performs well for protecting cables with anti-vibration from mechanical damage caused by cut sharp steel edge of the general steel **Back Box**.

Features

- ✦ Non-combustible
- ✦ Non-toxic
- ✦ Almost smokeless
- ✦ High durability
- ✦ Oil and paint-resistant
- ✦ Grey color
- ✦ Easy installation
- ✦ Anti-vibration
- ✦ Anti-noise
- ✦ Flexible

Specifications

- ✦ Because Remitite Rubber Bushing is very flexible, it can be very easy to install and remove for maintenance.
- ✦ RB Cover Series can be stuck to the Back Box surface by surface tension.
- ✦ Soft rubber bushing can supply perfect cable protection to the Back Box edge from vibration and fatigue stress.
- ✦ Customer widely and easily choose the type for application purpose with different material types.

STANDARD SIZE



TYPE	UNIT: mm		
	φA	φB	φC
RB-25	30	20	25
RB-30	35	25	30
RB-35	40	30	35
RB-45	50	40	45



Application Example

• Equip it with the rubber bushing to protect the cable from the sharp edge of the back box.

B Class Fire Rating Fire-Resistant Cavity Back Box



Remitte B class fire rating **Back Box RBB Series** are very progressive Fire Protection devices. RBB Series are certified from ABS, BV, DNVGL, LR marine class societies about B-15 for Wall Panel and B-0 Ceiling Panel. It performs well for blocking the flame propagation and heat conduction up to B-15 fire rating. Back Box would be used to the cavity in the wall for installation of various electrical equipment. With **RBB series**, customer can easily secure the safety of their living area.



Features

- ✦ Fire-resistant
- ✦ Intumescent
- ✦ Non-toxic
- ✦ High durability
- ✦ Oil and paint-resistant
- ✦ Dark Grey color
- ✦ Easy installation
- ✦ Almost smokeless
- ✦ Low heat conductivity
- ✦ Non-conductivity

Description

- ✦ Because Remitte Back Box is very solid, it can be very easy to install and remove for maintenance by bolting.
- ✦ RBB Series has very good fire resistance efficiency which can endure initial high temperature.
- ✦ RBB Series would be expanded in the high temperature and direct flame, and cavity in the wall will be filled up with expanded product.
- ✦ Customer widely and easily choose the suitable type for application purpose with different various product types.