

RS-105 & RRS-15 Cable & Pipe Penetration Sealing System



RS-105 and RRS-15 are superb for sealing cables and pipes in penetration by finishing the outside with Remitite Silicone Sealant 105 after protecting the inside with RRS-15 sleeves. RS-105 and RRS-15 Cable & Pipe Penetration Sealing System is rated in classes A-60 and H-120 and shows excellent fire-resistance, expandability and endothermic performance.

RS-105 and RRS-15 expand up to 20 times its original volume when exposed to temperatures above 180°C. During this expansion process, a porous mass is formed, which has thermal insulation properties. Also, this expansion is not accompanied by the formation of large amounts of fumes. This system is proven as an ultraviolet radiation and ozone interceptor.



Features

- Fire rating: A-0(without insulation), A-60 & H-120 class
- Excellent intumescences 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

Applications

- Fire-retardant sealing for cables
- Fire-retardant sealing for steel, SUS, PVC, PP-R & copper pipes
- Water and gasproof sealing for electronic & wiring elements

Specifications

- Color Dark gray
- Total drying time 120 hours (20 mm)
- Surface drying time 1 to 2 hours
- Storage life 12 months
- Service temperature -55°C ~ 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

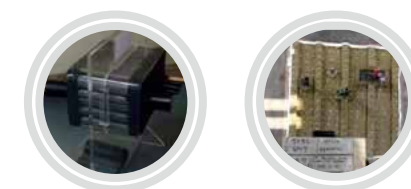


RS-105

Silicone Sealant



Remitite Silicone Sealant RS-105 is a fire and water resistant sealant based on a single component compo-und. It is an adaptable and flexible product that can be used in many different applications, jointing between building elements and materials, especially in shipping and offshore plants.



RRS-15

Remitite Sleeve

Remitite Sleeve RRS-15 is a fire-resistant, intumescent, and endothermic special rubber compound, creating value for customers in shipping and offshore plants. The extrudability of this product at high temperature and water-resistance is excellent.



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

| Type | Cable Diameter | Length (mm) | | Wall Thickness |
|--------|----------------|-------------|---------|----------------|
| | | 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 |
| 35/27 | 25-29 | | | 4 |
| 39/31 | 29-33 | | | 4 |
| 46/36 | 33-39 | | | 5 |
| 52/42 | 39-45 | | | 5 |
| 58/48 | 45-51 | | | 5 |
| 64/54 | 51-57 | | | 5 |
| 70/60 | 57-63 | 5 | | |
| M18/12 | Multi-type | 3 | | |
| M27/19 | Multi-type | 3 | | |

When RRS-15 is exposed to temperature 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 nonsplit multi-units of 10 pieces bonded together.