Rapid Fire Seal - RFS 640

Elastomeric fire resistant sealant

APPROVALS

- American Standard
  - ASTM E 814 (UL 1479)
  - ASTM E 84 (UL 723)
  - ASTM E 1966 (UL 2079)

APPLICATIONS

- Curtain wall/slab edge - 8” (200mm)
- Head of wall - 4” (100mm)
- General construction joints - 8” (200mm)
- Service penetrations -
  - Cable tray - 24” x 4” (600mm x 100mm)
  - Steel pipes - 8” (200mm)

ADVANTAGES

- Water based
- Flexible set
- Contains mould growth inhibitor
- Freeze - thaw capabilities
- Paintable
- Accelerated age & humidity tested
- Low VOC
- Spray or brush applied
- Excellent smoke seal
- Water resistant

DESCRIPTION

- fischer fire rated construction joint sealant RFS 640 is a spray grade one part water based, fire rated sealant which has been design to provide smoke and fire protection on construction joints & service penetrations in both vertical and horizontal applications.
- Tested in accordance with ASTM E 814 (UL 1479), ASTM E 1966 (UL 2079), ASTM E 2307, ASTM E 84 (UL 723) the fischer RFS can provide up to 3 hours fire rating.
- Meeting the new requirements of ASTM E 1399, the fischer RFS has been cycled tested up to 500 times.
- fischer RFS 640 is Asbestos, Solvent and hazardous ingredients free, it exhibits excellent slump characteristics, is easy to apply and cures to a flexible elastomeric seal. It is suitable for internal applications and for conditions where dynamic movement may occur.
- RFS 640 has also been tested at positive pressure with a minimum 0.01in. (2.5 mPa) water i.a.w UL 2079 test standards.

APPLICATIONS

- Suitable for:
  - Flexible wall construction
  - Rigid Floor & Wall construction
  - Flexible Wall
  - Masonry
  - Concrete

INSTALLATION

- Note: Firestop material must be installed in accordance with detailed instructions or the approved system.
  1. Clean all contact surfaces so they are free from loose debris and contaminants
  2. Install the required backing material as per the detailed instructions or approved system:
     - Note: Backing material MUST be installed under compression - there should be no lose backing material, voids or gaps present
  3. For best application results - fischer RFS 640 should be applied at room temperature
  4. Apply fischer RFS 640 to the required parameters as per detailed instruction or approved system making sure that it is in contact with all surfaces to provide maximum adhesion - fischer RFS 640 can be installed using recommended spray equipment or brush applied. Contact your local fischer representative for more details.
  5. Clean all equipment with water immediately after use
  6. * Spray equipment should be clean in accordance with manufacture instructions.
SPECIFICATIONS

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<th>Description</th>
<th>Order No.</th>
<th>Size [ml]</th>
<th>Qty. Per Box</th>
<th>Suitable for use with</th>
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<td>516539</td>
<td>19 lt</td>
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TECHNICAL DATA

Chemical Base: Water-Based
Density: approx. 1.25 g/cm³
Application temperature: +5°C to +40°C
Skin-forming time at 25°C: approx. 30-45 min
Curing time at 25°C: approx. 5-7 days
Storage temperature: +2°C to +49°C
Movement capability: upto 50%**
Water resistant: yes***
Shelf-life: 36 months (under recommended conditions)
pH Value: 7 to 8
Sound transmission class: 40 dB
Fired in a UL 411 wall assembly to ASTM E90
Surface burning characteristics:
ASTM E 84 UL 723 Tunnel Test
Flame spread - 5
Smoke index - 5
Colour Red

* dependant on substrate, air humidity and weather conditions
** depending on UL listed system and configuration
*** water resistant in accordance with UL 2079

APPLICATION DATA

The following dimensions must be observed when using fischer RFS 640

Consumption Guide

<table>
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<th>Joint Width [inch]</th>
<th>Joint Width [mm]</th>
<th>Ft/Gallon</th>
<th>Ft/Pail</th>
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Above provides approx. yield for a coverage of 1/16” (1.5 mm WFT) with a 1/2” (12.5 mm) overlap

ADDITIONAL INFORMATION

Note: Please refer to MSDS for further information

Recommendations

1. Can be used in conjunction with a suitable backing material as approved in detailed instruction or approved system
   i) Non-flammable mineral wool (min. 60 kg/m²)

Storage

1. Storage temperatures between +2°C and +49°C
2. Do not dilute or mix with any other chemical
3. Store away from heat sources
4. Keep container closed until use
5. Monitor expiry date on pail