Technical Data Sheet

Fire Stop Intumescent Sealant
LC150RD

Description

LC150RD is a versatile Intumescent product intended for fire stopping a wide array of applications in small commercial or grouped residential construction or other structures with similar applications. Seals penetration openings against the spread of fire, smoke, gases & water.

Key Features

- UL Classified/FM Approved/Spec Compliant
- Pale Red Color
- No shrinkage in most applications
- Mild Latex Odor – Water Clean up
- Intumescent – expands up to 10X original size
- SAFE: VOC Compliant, No Solvents, Non-Halogenated, No PCB's, No Asbestos
- Approved for Metal Pipes, Electrical/Telephone Cables, & HVAC Ducts – adheres to most common construction & Penetrant materials
- Paintable @ Full Cure w/ Non-solvent Paints
- Contains no solvents; safe for use with most plastics

Uses

For sealing penetration openings against the spread of fire, smoke, gases & water. LC150RD provides up to a 2 hour fire rating for typical service penetrations through concrete or wood floors, concrete or masonry walls, as well as gypsum board walls. LC150RD is also acoustically tested, demonstrating excellent sound attenuation properties.

Surface Preparation

All surfaces must be clean & free of oil, dirt, dust, rust or scale. While product is designed to resist slumping, certain applications may require damming or forming materials. Consult UL Fire Resistance Directory for specific requirements.

Directions

1. Insure that surface is clean & free of oil, dirt, dust, rust or scale.
2. For best results, material, substrate & air should be between 40F & 100F. Do not apply to frozen surfaces.
3. Clip tip of spout to allow a minimum opening of ¼ inch.
4. Puncture foil seal @ base of nozzle prior to gunning.
5. Apply using a standard caulking gun.
6. Using steady pressure, force material into cavity.
7. If sealant tends to pull back from surface, clean surface with a damp rag or sponge & reapply.
8. Sealant surface can be tooled using a putty knife dipped in water. DO NOT ADD WATER TO SEALANT.
9. Allow material to dry a minimum of 24 hrs before exposure to moisture.

Physical/Performance Property	***Test Method***	***Typical Result***
Weight Per Gallon	***Gardner Cup***	***9.0***
Specific Gravity	***Calculated***	***1.08***
Total Non Volatile % Solids (Weight)	***Computrac Analyzer***	***78 to 82%***
Extrudability/Application (as packaged)	***Semco Gun (6 oz @ 50 psi)***	***7 to 10 seconds***
Consistency/Appearance	***Visual Observation***	***Pale red paste***
pH (initial)	***pH Meter***	***8 to 10***
Odor	***Subjective***	***Mild latex***
Base Polymer	***Known***	***Proprietary***
Pigment	***Known***	***Proprietary***
Flame Spread	***Test Lab – ASTM E84 (UL723)***	***0***
Smoke Developed	***Test Lab – ASTM E84 (UL723)***	***5***
STC Rating	***Known***	***50***
Expansion Begins	***Test Lab***	***320F (160C)***
Volume Expansion	***Test Lab***	***10X Free Expansion***
Freeze/Thaw Stability	***Test Lab 0 F/77 F @24 hrs or ASTM C731***	***Passes 5 cycles***
Shelf Life	***Lab 50 C Oven – Accelerated***	***1 year minimum @ 77F***
Slump	***ASTM D2202 Jig***	***0***
Storage Conditions	***Test Lab***	***40F to 90F***
Application Temperature	***Test Lab***	***35F to 100F***
Maximum In Service Temperature	***Lab Oven/QUV/Freezer/OE Fence***	***130F (54C)***
Paintability	***Test Lab/Field Evaluation***	***OK @ full cure w/ non-solvent paints***

Clean Up

Water or Mild Soap & Water

For Best Results

- Do not attempt to thin product.
- Allow to fully cure prior to painting with only non-solvent paints.
- Do not paint or seal in any way that prevents contact with air until sealant has dried through completely.

Color

Pale Red

Packaging

10.1 FL. OZ HDPE Cartridge

Limitations

- Lower temperatures as well as higher humidity will slow down drying.
- Non-porous backing material or coatings may slow down drying.
- User should consult with manufacturer of the pipe, tubing or cable in question, regarding any known sensitivities or potential restrictions before applying this product.
- Do not apply to frozen surfaces.

Environmental, Safety & Transportation Information

Criteria	***Evaluation Method***	***Status***
CARB Compliance	***Documents Review***	***Yes***
Prop 65 Ingredients	***Documents Review***	***Yes***
DOT Proper Shipping Name	***Review of Regs***	***Not Regulated by DOT***
DOT Hazard	***Review of Regs***	***N/A***
DOT UN/NA Number	***Review of Regs***	***N/A***
Packing Group	***Review of Regs***	***N/A***
VOC Content	***Calculated***	***<3% (VOC Compliant):30to 40 g/L***

CAUTION: NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. KEEP FROM FREEZING. WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. (See MSDS for additional information)

LIMITED WARRANTY

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. No representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose. Warranty is limited to product replacement or purchase price refund upon presentation of receipt & used cartridge.

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SEE MSDS FOR ADDITIONAL DATA/INFORMATION