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HoldRite HydroFlame™ Putty Pads Specification Sheet/Drawing

HoldRite HydroFlame™ moldable Putty Pads are a non-curing single component fire-rated material for penetration firestop systems. HydroFlame™ Putty Pads will intumesce and expand when exposed to heat, forming an insulating char. In the event of a fire, Putty Pads will prevent the spread of flames, smoke, gas and water through penetration openings. Putty Pads are applied by hand and mixing is never required. HydroFlame™ Putty Pads are rated for up to 3 hours as tested in accordance to ASTM E814, UL 1479 and ULC/ CAN4-S115-M test standards. HydroFlame Putty Pads are designed to be used in conjunction with metallic or non-metallic electrical box outlets.



Product Information:

- Material Properties:** HydroFlame™ Putty Pads do not contain any asbestos fillers. Putty Pads are applied by hand (see installation instructions). Product color is Red. Cure time is not applicable. Gravity 1.48g/cc Activation of Intumescence: Expansion begins at 220°F (104°C).
- Application:** HydroFlame™ Fire Rated Putty Pads when properly installed will restore the hourly rating of the wall assembly by limiting the spread and passage of flames, smoke, and toxic gases thru the wall penetration. Designed for use on metallic or non-metallic outlet boxes, metal electrical cabinets, mechanical cabinets, and electrical boxes.
- Availability:** HydroFlame™ Putty Pads are available in the following size: 7" x 7" x 1/8" thick and 9" x 9" x 1/8" thick. Putty Pads come 20 pads per box.
- Limitations:** Do not expose Putty Pads to water.
- Storage & Handling:** HydroFlame™ Fire Rated Putty Pads are not to be stored in areas where the temperatures can rise above 120°F (49°C) or drop below 0°F (-18°C). Avoid allowing product to freeze. If freezing does happen to occur, thaw the putty pads out completely before using. Keep products dry and stored under protective cover in their original containers. Avoid exposure to water or heavy moisture. Products have a minimum shelf life of 2 years subject to re-inspection thereafter. A stock rotation program is recommended.

• **Testing Data:** HydroFlame™ Fire Rated Putty Pads are listed as a fill, void or cavity material and are classified as a wall opening protective material by Underwriters Laboratories, Inc. For specific test criteria please consult the UL Fire Resistance Directory or call HoldRite. Sound Transmission Class (STC) 66 - The test was performed in accordance with ASTM E90, Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements. Putty Pads were tested at a minimum 0.01 inch of water, positive pressure in accordance with, UL 1479, ASTM E814 and CAN4-S115-M. ASTM E 84, UL 723 Tunnel Test: Flame Spread: 5 Smoke Index: 15. This product is Clean Air Gold certified.

• **Features:** Possesses intumescent properties; expands when exposed to fire. No Volatile Solvents, which makes it particularly useful when installing in confined spaces or occupied areas. Does not have Asbestos Fillers. A single component putty system; no mixing necessary and no required additives. DOT Classification is Not Regulated. Applied by hand. Easy to install. Adheres to all common building surfaces. This product is Clean Air Gold certified.

• **Installation Data:** HydroFlame™ Putty Pads, when properly installed will prevent the passage of flames, smoke, and hot gasses thru electrical outlet box penetrations. Step 1: Remove the protective cover from one side of the putty pad. Step 2: Be sure to clean all exterior surfaces of electrical box. Make sure no loose dust, debris, wax, oil, or other contaminants are on the box. Step 3: Line up side of putty pad to the side of electrical box and overlap slightly onto adjoining stud and adhere. Manipulate pad to the other side of the box and over all surfaces and edges. Step 4: If finished wallboard is in place, stuff putty into open gaps between box and inner side of finished board and then overlap onto inner side of finished board. If gyp wallboard is not in place at the time of pad installation, overlap putty slightly onto the front side of box so putty will be crushed by board around all front edges. Step 5: Cut thin slits in putty pad material to make it easier to install around existing cables or conduits. Step 6: Work pad onto the back and all sides of the box. Cut off any excess pad material at that corners and apply to conduit fittings attached to the box. Step 7: Remove remaining protective liner. As an option, excess putty may be inserted into open conduit fittings on the inside of the box. One pad (1/8" thick will provide a 1 or 2-hour rating (equal to rating of the designed wall).

• **Warranty:** HoldRite HydroFlame™ offers a limited 2-year warranty on all firestop products free from defects in material and workmanship. Please see HoldRite website www.holdrite.com for complete and official warranty information.

• For technical information please call (877) 700-4242 or visit our website (www.holdrite.com).

