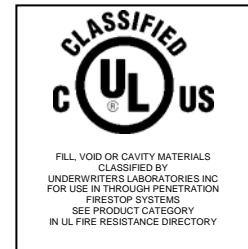


# FPT A110SP

## Sprayable Mastic



- **A110SP** is a superior formulated elastomeric spray applied firestop coating.
- It is a high solids latex based formulated designed to prevent the passage of fire, smoke, fumes, gasses in construction joints at the intersection of fire rated assemblies.
- This newly formulated material will give maximum protection and adhesion to all construction surfaces.
- It has been tested and listed for 1, 2, 3, and 4 hour fire rated assemblies.
- Various third party firestopping testing agencies: Underwriters Laboratories (UL), Omega Point Labs (OPL) have tested and list this coating in many firestopping applications.
- A110SP, when properly applied to vertical assemblies, does not run.
- After fully cured, A110SP provides a flexible water resistant seal.
- It contains no fibers, no asbestos, and no solvents, it is VOC compliant.

### Industry Qualifications:

Underwriters Laboratories (UL) and Omega Point Laboratories are fire endurance testing agencies accredited by ICBO, BOCA and SBCCI (National Evaluation Services) in the United States. In Canada, Underwriters Laboratories Canada (CUL) A110SP has been fully tested and meets or exceeds the requirements of: ASTM E-814, ASTM E-119, ASTM E-1399, UL 1479, UL 2079 and ULC S -115-M95. A110SP has also been tested and meets the classifications for less than 25 flame spread and less than 50 smoke development (NFPA Class "A", Building Code Class "1"): ASTM E-84



### Made in Canada

### Features:

- Specified by UL and OPL for 1/8 inch (3.2 mm) thickness of spray
- For use in construction joints: 2 hr fire rating, max. 24" gap
- For use in perimeter fire barriers: 8" gap, F=2 hr, maximum T=1 1/4 hr, with movement of 500 cycles and 17 % compression and extension
- For use in head of wall: 2 hr fire rating, max. 4 3/8" gap; (4hr, 3/4")
- Up to 33% joint movement, compression and extension
- Adheres to all common construction surfaces; concrete, metal and gypsum wallboard
- Adheres to dry or damp surfaces
- Remains flexible after full cure, provides water and mildew resistance
- Re-enterable and repairable
- Quick and Easy and safe to apply with ,e.g., Spray Tech EPX 2510 Airless Sprayer
- Does not run down on a vertical surface even in a humid weather
- Easy clean up with plain or soapy water
- Can be painted after fully cured (water based paint)
- Non-toxic
- Contains no asbestos or PCB's
- Non-corrosive
- Low Volatile Organic Content (VOC)

### Applications:

Primarily sealing applications include:

- All vertical, horizontal construction and architectural joints
- Top-of-Wall joints
- Curtain wall safing joint
- Perimeter joints
- Control joints
- Relief joints
- Floor to floor expansion joints
- Wall to wall expansion joints

When installed properly in accordance with the listed systems designs, A110SP will control the propagation of fire, smoke and gas during and after exposure to flames and temperatures up to 1000°C (1832°F).

### Limitations:

- Exposure to rain, running and standing water before the sealant is fully cured may cause the installed material to wash out. This product is not designed to be a waterproof seal.
- It should not be installed where there will be continuous wet conditions or immersed in water continuously. Refer to Water Resistance entry the Physical and Chemical Properties table below.
- This material cures naturally through the evaporation of its water content so the environment in which the compound is being used should be considered when estimating curing times. Temperatures (Consult Storage and Installation Sections). For ample, the curing time of the installed sealant may increase as ambient temperature is lower and/or the humidity of the environment is increased.



## Fire Protection Technologies, Inc.

<p><b>Storage, Handling, Transportation:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT ALLOW FPTA110SP TO FREEZE.</b> It may become damaged and unusable if exposed too extreme freezing conditions.</li> <li>• It should be stored in a protected area in the original sealed container.</li> <li>• <b>Recommended Storage temperature</b> is between 5°C - 32°C (40°F - 90°F).</li> <li>• <b>Recommended Transportation temperature</b> is between 7°C - 32°C (45°F - 90°F).</li> <li>• Product should be <b>transported</b> in a <b>protection equipped carrier</b> when very low or high atmospheric temperatures will be experienced.</li> <li>• <b>Recommended Installation temperature</b> is between 6°C - 32°C (43°F - 90°F).</li> <li>• Product has a shelf life of 1 year. A stock rotation program is recommended.</li> </ul> <p><b>Preparation:</b></p> <ul style="list-style-type: none"> <li>• Surface should be clean, remove excessive dust, dirt, particulates.</li> <li>• Remove any standing water, oil grease, rust, etc.</li> <li>• Atmospheric temperatures should be considered.</li> <li>• Recommended application temperature is between 6°C - 32°C (43°F - 90°F).</li> <li>• If the product is colder than the recommended temperatures, warming it before attempting to spray should be considered.</li> <li>• In cold temperatures the building should be sealed or heat protected.</li> <li>• The spray equipment should be clean of material from previous jobs.</li> <li>• A110SP can be applied by brush.</li> <li>• Do not dilute with water.</li> <li>• Mixing or stirring is not required.</li> </ul>	<p><b>First Aid:</b></p> <p>In case of contact with eyes, flush with water and consult a physician. In case of contact with skin, clean with soap and water thoroughly. Consult a physician if eye/skin irritation develops. See MSDS for additional information.</p> <p><b>Caution:</b></p> <p>Mineral wool may cause eye, skin or respiratory tract irritation. Avoid contact with eyes, skin or clothing. Recommend using gloves and goggles. Refer to Material Safety Data Sheets published by mineral wool manufacturers.</p> <p><b>Installation:</b></p> <ul style="list-style-type: none"> <li>• Insulation and backing materials should be installed in accordance with a published system design (i.e., compression, pcf and orientation).</li> <li>• When spraying A110SP use airless pray equipment that has 3000psi capabilities and reversible spray tips.</li> <li>• Consult the manufacturer for more information on equipment setup, hose, spray guns, tips, etc.</li> <li>• <b>To achieve a dry thickness of 60-mil (1/16") A110SP should be applied at 80-mil wet.</b></li> <li>• <b>All research testing was performed with a Spray Tech EP2510 airless sprayer, 50 feet /8" hose, Graco Flex Plus spray gun, tip sizes from .019to .031, fan width from 4"- 12".</b></li> <li>• Do not apply this product to mineral wool that is or was wet from exposure to water, standing water, rain or snow.</li> </ul> <p><b>Maintenance:</b></p> <p>No maintenance is required after the firestop sealant is installed.</p>
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**Physical and Chemical Properties:**

Color	Red
Odor	Mild Latex
Solids Content (Wt%)	68%±5%
pH (ASTME-70)	8 - 9
Specific Gravity (ASTM D-1475)	1.15- 1.35
Viscosity (ASTM D-2196)	50,000 – 60,000 cps
Application Temperature	6°C - 32°C (43°F- 90°F)
Drying time (ASTM D-1640) <ul style="list-style-type: none"> <li>• Dry to touch @ 6mils</li> <li>• Cure time (depending on thickness and environment )</li> </ul>	20 -30 minutes 7-14 days
In service Temperature	Up to 49°C (120°F)
Fully Cure and Adhesion (at 25°C and 50% R.H.)	7 -14 days
Elongation (ASTM D-2370)	1000%
Tensile Strength (ASTM D-2370)	28psi
Sag Resistance (ASTM D-4410)	Passed
Freeze – Thaw(ASTM D-2243)	Passed
Volume Shrinkage (ASTM C-1241)	Passed
Flame Spread	Less than 25
Smoke Development	Less than 50
Joint Movement (ASTM E-1399) (compression, extension)	Passed
Water resistance (28 day Solubility Loss)	6%
Spray-ability	Excellent fan pattern and volume output
Fungus resistance (ASTM C 1338-00)	Passed
Combustion Product Toxicity (ASTM C 1338-00)	Passed
STC Sound Transmission Loss (ASTM E 800)	Passed
Corrosion (ASTM C 655) (for steel, copper, aluminum, galvanized steel and stainless steel)	Passed
Corrosion Resistance (ASTM B-117) Salt Spray	Passed

# Availability:

**FPT A110S (No. 40015) is available in 5 US Gal (44 lbs) pails**

**Products and Technical Assistance available from**

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<p><b>Adolf R. Hochstim, PhD</b>                  Technical Director</p>	<p>e-mail: <a href="mailto:ahochstim@earthlink.net">ahochstim@earthlink.net</a></p>	<p>Phone: (818) 730-7749                  FAX: (936) 271-4114 (Fax only)</p>
<p><b>Charles R. Eminhizer, PhD</b>                  Thermal Physicist</p>	<p>e-mail: <a href="mailto:charles.eminhizer@yahoo.com">charles.eminhizer@yahoo.com</a>  <a href="mailto:ceminhizer@att.net">ceminhizer@att.net</a></p>	<p>Phone: (858) 442-2192</p>

## Warranty:

The information provided is based upon typical installation conditions and tests Fire Protection Technologies, Inc. believes to be reliable. However, due to a wide variety of possible use conditions, the manufacturer and distributor does not guarantee that typical values expressed will necessarily be obtained. THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. NEITHER SELLER, DISTRIBUTOR, OR MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS, OR DAMAGE, DIRECT, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. Before using, user shall determine the suitability of the product of their intended use, and user assumes all risk and liability whatsoever in connection therewith.

No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of the manufacturer, or distributor.