



FireDam™ 150

Endothermic mastic



Product description

FireDam™ 150 is a one-component water-based mastic used to restore the fire retardancy of a partition at points where cables or pipes run through it. After installation it forms a seal against flames, smoke, toxic gases and water.

When exposed to intense heat, FireDam™ 150 absorbs thermal energy and releases chemically bound water to cool the substrate. This phenomenon is known as an endothermic reaction.

Applications

3M FireDam™ 150 mastic is easily applied with a hand- or air-operated mastic gun and/or a putty knife. The outstanding fire-retardancy of FireDam™ 150 makes it an essential supplement to the Interam™ E-5 mats for protecting steel structures, cable runs and metal ducts.

Advantages

- one component, ready for use
- water-based: requires no special application techniques, tools are easily cleaned with water
- adheres very well to most surfaces
- does not drip
- low shrinkage
- dries quickly: tack-free in 15 to 30 minutes
- can be painted over without a primer
- endothermic: absorbs thermal energy, and releases chemically bound water to cool the substrate.

Application techniques

FireDam™ 150 is used mainly as a supplement to other products in the 3M fire-retardant range such as Interam™ E-5 endothermic mat.

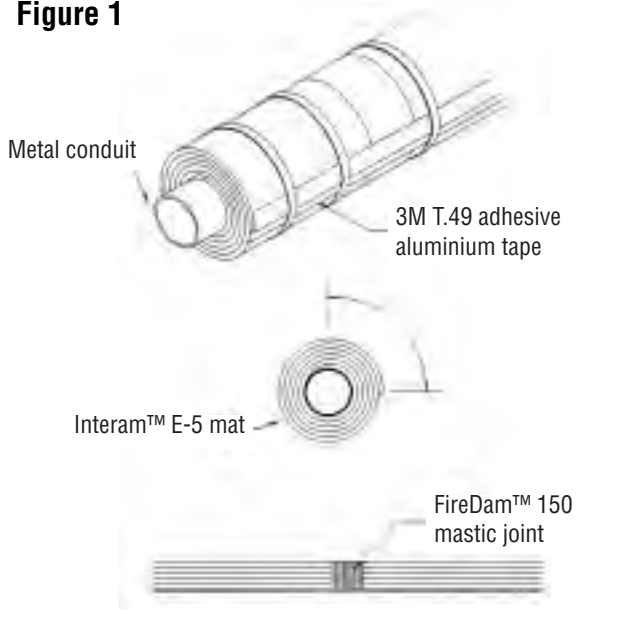
Structural steel protection

FireDam™ 150 mastic is applied into seams between Interam™ E-5 endothermic mat layers to ensure that protection is homogeneous along the structure.

Availability

Packaging	Delivery unit	Reference
310 ml (10.5 fl. Oz.) cartridge	Carton of 12 cartridges	98040006268
19 l (5 US gallons) pail	1 pail	98040024303

Figure 1



Standards

Tested under the following codes and standards:
ASTM E-814 (US), ASTM E-119 (US),
UL 1709 (US), ASTM E-84 (US),
Arrêté du 21/4/83 (Fr), Arrêté du 30/6/83 (Fr),
Simulated Jet Fire, NBN 713-020/ISO TC 92,
Circolare 91 (It).

Physical properties

Colour	white
Expansion rate	non intumescent
Tack-free time	15 to 30 minutes
Solids content	80 %
Hardness(Shore A)	94
Adhesion	to any substrate
Flame spread (ASTM E-84)	0
Smoke development (ASTM E-84)	2.2
Storage	keep at a temperature above 4°C
Shelf life	use within 12 months.

Precautions for use

- Avoid contact with the eyes and prolonged contact with the skin.
- In case of contact with the eyes, rinse immediately with plenty of water and consult a specialist.
- In case of contact with the skin, wash with soap and water

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but their accuracy and completeness are not guaranteed. The user shall be responsible for determining the suitability of the product for his particular application. To discuss application requirements please call your 3M representative.

Material Safety Data Sheets available upon request:

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