



J-M FLAME-SAFE fiber glass pipe insulation

DESCRIPTION: J-M Flame-Safe® pipe insulation is made from long, fine, flame-retarded glass fibers, bonded with a thermosetting resin. All sections are accurately and uniformly made in one piece for easy, fast application. Jackets are factory-applied. Free and Smoke Hazard Classification ratings have been obtained on all Flame-Safe products on a COM-POSTITE basis—pipe insulation, jacket and the adhesive used to secure the jacket to the insulation. Please refer to the section on Fire and Smoke Safety, below, and the ratings on the reverse side.

Each section of Flame-Safe is color coded to insure selection and use of the specified type at the job site, and to facilitate inspection. Colored printing around each end shows pipe size, wall thickness and type of jacket. Printing is covered when heat strips are applied.

AVAILABLE FORMS: Flame-Safe is produced in 1-foot sections for PS 1½" to 30" and CT ducts from 1½" to 12", depending on thickness. The various jackets are described on the back of this sheet.

USES: Flame-Safe is designed for service up to 500F* on commercial, power or process lines where maximum fire-safety, resistance to physical abuse and the utmost in appearance is desired.

ADVANTAGES:

Fire and Smoke Safety

All Flame-Safe pipe insulation meets, on a composite basis, the fire and smoke safety requirements of federal, state and local building codes, including USA and Corps of Engineers.

Strong and Durable

The combination of resilient fiber glass insulation and tough jackets offers the highest degree of resistance to mechanical abuse during and after installation, insuring superior finished appearance.

Ready to Paint

Because the glass cloth on the exterior of the OVR jacket is pre-primed at the factory, it is ready for painting if desired. However, the pleasing off-white and textured appearance makes painting unnecessary in many instances. Type V8 may also be primed and a latex or water-based paint is recommended.

Economical to Apply

The one-piece construction, light weight and simplicity of design speeds on-the-job handling and application. Both jackets and insulation are removed, cut and installed in one piece. Heat strips of the same jacket material are embedded in the corners for sealing the circumferential joints.

Saves Fuel and Power

A loss factor of .22 at 75F means permits more efficient temperature control. Seals close joints against heat loss.

*Flame-Safe for 500F service is suitable in 1" minimum and above. Under 500F material is suitable on the order. Flame-Safe for 250F and 100F.

39:563

Positive Sealing System

THERMAL CONDUCTIVITY

[illegible]

rough, pre-cured glass cloth with vapor barrier coating on the inside surface. Punctureproof fire and smoke safety. Prints with standard appearance. Vapor vapor permeability: 0.2 g/m²/min.

FD-302a Bureau for filing up to 2007. While left bonded to aluminum foil, reinforced with clear glass tape. Each paper is permanently treated (acid neutral) cell treated to assure permanent fire and smoke safety, and to prevent corrosion of lead. Water vapor permeability 50 mm.

For options exposed to neither a subject or physical short, the Δ is also known as a Δ hedge (old) or delta-adjusted (new) short call. In fact, with special binomial 2-joint closure and binary-sampled pay-offs,

Serial Type	Water Vapor Permeability (ASTM D 198)	Booth Package ASTM D 3015-57	Tensile Strength - Estimate	Moisture Barrier (ASTM D 774-53)
878	.02 perm	150 oz. in./in. year	100 lbs./in. width	300 gpd
795	.02 perm	50 oz. in./in. year	30 lbs./in. width	20 gpd

19-2056-10157, "15121-0-90261" .. 19-2056-10157, "15121-0-90261" ..

COMPLIANCE WITH
GOVERNMENT SPECS

All flame-Safe plus insulations are tested for fire and Smoke Hazard Classification ratings on a COMPOSITE base - insulation (foam) and adhesive used to secure foam to insulation - in accordance with ASTM E-84, NFPA 255 and EN 122. Ratings do not exceed the following:

PHS-27-755

FD-350A Form A, Type III, Class 12 and Class 19

Completed 2/14/02
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3 The report from Berlin on 22-23-24 March 1944, in which the
conference with arrested left members and air leaders is de-
scribed. The arrest of the air office for 1944 is also mentioned.

Johns-Manville

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Sales Offices in Principal Cities

12/1 151279

UNITED STATES

The J-M Positive Sealing System involves the application of an activator fluid on the special, dry adhesive applied to the lagoon surfaces of longitudinal laps and butt steps at the factory.

~~Fast, time-saving application, by easy method and with little effort. No special training or skill required.~~

Simple, easy-to-use applicator. The only "tool" needed. No brushes, cans of adhesive, welding torches or stiplers.

Applesider runs smoothly over adhesive on lap and butt strips. Two strokes or "passes" will do the job.

PSS works equally well in hot or cold weather.

Laps and built strips adhere quietly. Stay smooth and flat. Over on laps will not prevent a strong, tight bond.

Same applicator field, applicator and method for both
low molecular mass and high mass.

If adhesive dries before setting is done, simply repeat the activating procedure.

One container will do 400 feet of PSS pipe installation.

No messy conventional anesthetic needed. No sticky build-up on mouth, lips, throat, nose, hands or clothing.

No paper release strips to clutter up the jobsite. No costly cleanup time required.

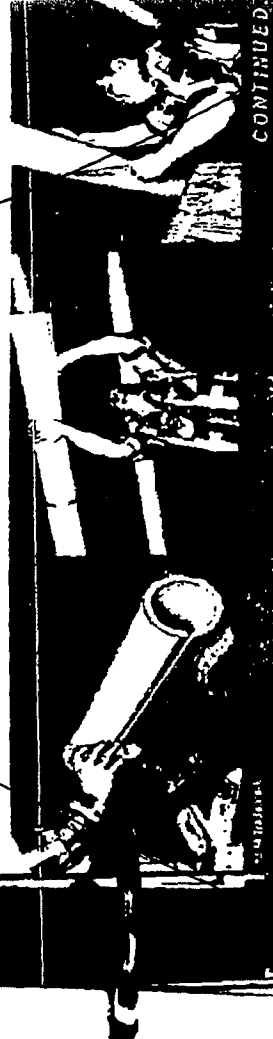
The J-M Positive Sealing System involves the application of an activator fluid on the specified dry adhesive applied to the lagoon surfaces of longitudinal laps and butt steps at the factory.

A handy, easy-to-use, lightweight container of activator spreads the fluid quickly and evenly over the surface of the tap or butt strip. This activates the adhesives, and after a short pause (about 30 seconds) for the activator to "work," the tap or butt strip is ready for seating. The bond is immediate and strong . . . and, most important, PERMANENT.

No Brushes, no adhesive, no tools or equipment other than the PSS activator container are needed.

Just lay the top or bottom strip on a flat surface and run the brush-top applicator over the PSS adhesive as the top or bottom strip. Apply in two or three continuous strokes or passes. As soon as the adhesive surface (about 1/4 mil) and with the pipe installation in place, press the top or strip firmly against the adjacent surface. You have from 1/2 to 1 1/2 minutes after spreading the adhesive field to complete the seal. If you can't get it to before the adhesive hardens, simply apply the adhesive field again.

The Positive Sealing System can be used only with J-45 Flame-Safe VBC Vapor Barrier Concealed fiber glass pipe insulation, prepared at the factory and specified for PSS application. (J-45 Flame-Safe VBC pipe insulation is also available for concealed in-situ sealing methods.)



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