



Insulation Solutions for

Healthcare

Industry Applications

Fiber Free

Cost Effective

Mold Resistant

Energy Efficient

Materials That Resist Fungal Growth



TechLite® Insulation has been supplying factory jacketed insulation systems for maintaining critical process temperatures, freeze protection, mold resistance and noise control for 40 years. Our business is producing and supplying efficient, sustainable, mold resistant systems to the healthcare, commercial, and institutional industry for pipe, tank, vessel, and duct insulation applications.

We feature TechLite melamine foam: a high temperature, lightweight, open-cell foam which is cost effective to install, user friendly, and environmentally safe. No CFC's are used in manufacturing and you won't find carcinogens, fine fibrous particles or toxins in TechLite foam, making TechLite insulation systems perfectly matched for the stringent control of materials used within healthcare or sanitary environments. No special personal safety gear is needed to install. No disposal problems either!

TECHLITE ADVANTAGE

TechLite also has a unique advantage over competitive insulation systems. TechLite has the additional benefit of not only being a cost effective mold resistant insulation system, but it also provides excellent acoustic absorption and sound blocking to create a pleasant, quiet, patient environment.



EASE OF INSTALLATION

TechLite can be installed in half the time required by other 2-step insulation systems. SSL (Self-Sealing Lap) is standard on all factory jacketed TechLite systems. Installation is a very simple procedure and can be accomplished at any ambient temperature between 35°F and 110°F. One end of the insulation is supplied with a 2" overlap so adjoining sections overlap and seal to the next (ASJ uses included self-adhesive butt strips). Simply place the insulation around the pipe and secure with SSL flap. Fastener Weld solvent bonding adhesive is used to achieve a tight permanent vapor barrier seal. No bands or staples are required. Detailed instructions are furnished with shipment.





THE DIFFERENCE IS OUR FITTINGS!

For fittings such as elbows, tee's, and flanges, TechLite insulation inserts are available in preformed or wrapped diaper design. The preformed inserts are precision ground to provide a fit that is within the pipe tolerances. These inserts and diapers are also fabricated from TechLite melamine foam. White or color coded PVC fitting covers are provided with the insulation inserts. The PVC fitting covers are UV inhibited and resistant to harsh weather conditions and offer good chemical resistance.

BENEFITS OF TECHLITE

- TechLite® is a Patented Insulation System, US Patent #6403182
- Mold & Fungus Resistant (ASTM G 21)
- Non-Fibrous Materials means No Fine Respirable Particles
- Non-Carcinogenic & No Volatile Organic Compounds (VOC's)
- Non-Corrosive to All Piping Systems
- Meets or Exceeds ASTM E84 Smoke & Flame Rating
- Resilient to Abuse, Not Subject to Breakage or Deterioration
- Superior Acoustical Properties
- Superior Thermal Conductivity

(K-factor @ 75°F = 0.25 BTU·in/h·ft²·°F)



TECHLITE DIFFERENCE

Our distributors and sales engineers are qualified to help with any insulation need, whether it be for a routine application or a special project. Our products are used in all types of environments.

Healthcare Industries Served

Hospitals
Ambulatory Care Centers
Medical Office Buildings & Clinics
Proton Therapy
Inpatient & Outpatient Centers
Senior Living Facilities
Central Utility Plants
Food Service
Laboratories
Training Centers



INSULATION SPECIFICATIONS

• Insulation material	Open Cell Melamine Foam
• Service temperature	-40°F* to 350°F (min/max pipe temp.)
• Thermal conductivity, k	0.25 btu•in/hr•ft ² •°F
• Density	0.56 ± 0.06 lb/ft ³
• Flame spread/smoke development	25/50 per ASTM E84
• Color	Light Gray
• Standard Thickness	1", 1½", 2", 2½", 3"

**Capable of withstanding -328°F continuously – consult factory with questions regarding extreme temperature applications.*

FACTORY PRE-APPLIED JACKETING OPTIONS

800 Series jacket is made of white rigid PVC. It has a shiny, hard surface that resists accumulation of foreign material that may contaminate sanitary processes. It is washable and never needs painting. When installed correctly, 800 series jacket creates a hermetic seal that meets FDA and USDA standards.

300 Series jacket is made of a strong polyester-reinforced flexible PVC. It is flexible, impact resistant and intended for harsh outdoor environments but is also suitable for indoor use. It has a smooth surface that recovers from abuse and impact and does not permanently dent like metal jackets. Our 300 series jacket is available in many colors. Standard colors are white, gray, black, and blue.

ASJ Series (All Service Jacket) is an industry standard, fiber reinforced, bright white Kraft paper on the outside with a true aluminum foil vapor barrier on the inside. The all service jacket is recommended for indoor use only. ASJ is suitable for commercial, institutional and industrial facilities where the piping is located in dry, low abuse areas.

600 Series jacket is made of a mass loaded PVC compound with ultraviolet and flame retardant additives. This is an excellent sound blocking solution for low frequency noise problems. The white exterior also provides good chemical resistance.



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