Tripolymer® Foam

Insulation Doesn't Cost, It Pays!

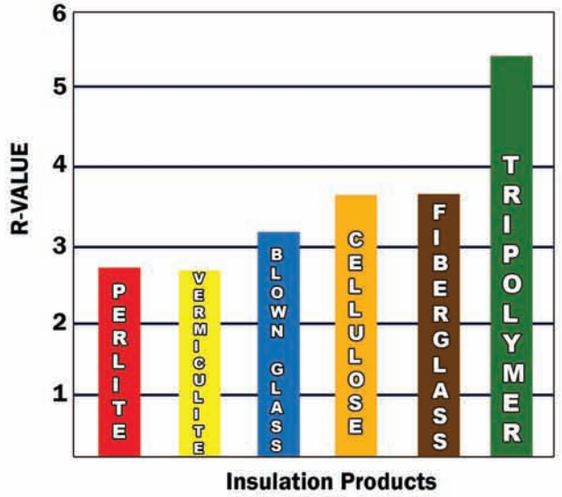
Tripolymer® Foam helps prevent bugs and rodents from living in your walls. The foam fills the cavities where they nest and leaves no more cool hiding spots available.

- **Environmentally safe**
- **Does not contain or emit CFC's**
- **Class 1 building material**
- **Increases fire ratings**
- **Zero smoke development**
- **Excellent noise reduction**
- **Excellent R-Value 5.1/in.**
- **For new and retrofit construction**
- **Does not compress or settle**
- **No thermal degradation**
- **Insulates block and mortar joints**
- **The original phenolic based cold setting foam insulation**
- **Is not a urea - formaldehyde based foam**
- **ADDS VALUE TO YOUR HOME**

Our Mission

Tripolymer® Foam Insulation was developed with the homeowner, environment and our natural resources in mind. It is non-toxic, evnvironmentally safe and does not contain any form of asbestos. It is also free of any glass fiber and CFC's which can damage the earths ozone layer.

Below is a bar graph showing 6 commonly used insulation materials in residential homes. **Tripolymer®** will provide an R-Value of 17.8 in a 3 1/2" wall, an R of 19.1 in a 3 3/4" wall and an R of 20.4 in a full 4" wall. If your home is constructed with 5 1/2" exterior walls, installing **Tripolymer®** will provide an R-Value of 28. Simple math shows that **Tripolymer®** Foam Insulation is the product to use in all of your homes exterior walls when it comes to saving on those high energy bills.



WE INSULATE EXISTING HOMES.

Tripolymer® Foam Insulation
www.injectionfoam.com

In many situations, **Tripolymer®** can save you up to 50% on your energy bills. In older homes where there is little or no insulation **Tripolymer®** is the only insulation to use. Having the unique ability to flow into nooks and crannies, **Tripolymer®** seals your home from the outside cold and virtually eliminates drafts. **Foam insulation qualifies you for up to a $2,000 tax credit!**

Improve Comfort

Reduce Energy Cost

Tripolymer®
FOAM INSULATION

If walls could talk...

Insulating Homes All Over America For Over 40 Years

- Almost any home can be insulated with Tripolymer® Foam Insulation
- The installation process can be performed from either the inside of the home or from the exterior
- Homes sided with shingle, aluminum, vinyl, clapboard, brick, stucco and even stone can be insulated quickly and efficiently

Toll Free
866-977-3626

The Most Efficient Retrofit Insulation Money Can Buy!

Reduce Energy Cost and Improve Comfort

Tripolymer®Foam Insulation was developed by CP Chemical Co. Inc. in 1966 by incorporating the best qualities from original Bakelite (Phenolic) insulation and combining it with some of today's Hi Tec synthetic plastic compounds and technology.

Tripolymer®was originally designed for use as a highly efficient and fire resistant thermal insulation for the NASA Aero Space Industry. In 1975, **Tripolymer®** Foam Products and their characteristics were expanded and refined with assistance from the United States Department of Energy under the Federal Non-Nuclear energy research and development act of 1974.

Recognizing the inherent shortcomings of existing Poly-Urethane and Urea Formaldehyde foam insulation products, the DOE concluded that **Tripolymer®** Foam and its related products were in the "National interest". **Tripolymer®** was chosen as one of three products from a total of 7,000 to be assisted in further development.

After three years of intensive research and testing, the new **Tripolymer®** was made available to the consumer.

Toll Free: 866-977-3626
www.injectionfoam.com

THERMAL ACOUSTICAL FIRE RATED COMMERCIAL RESIDENTIAL RETROFIT

TECHNICAL SPECIFICATIONS

Thickness	ASTM Test Method	Results
Fire Hour Rating	ASTM E-119	2 Hours
Thermal Conductivity (1)	ASTM C-177	
R, Hr. - Ft. 2 - F/BTU		
at 75 degrees mean		4.8
at 35 degrees mean		5.1
Surface Burning Characteristics	ASTM E-84	
Flame Spread		5
Smoke Development		0
Heat of Combustion	ASTM D-240-73	6,435 btu per lb.
Corrosiveness	DOE (e) (3) / HUD 6.2.8	No perforations, No Pitting, Less than 0.05g
Water Vapor Transmission	ASTM C-355	
perms - in.		15.9 - 16.9
Sound Transmission Loss	ASTM E413-73	STC 53
Density	ASTM D-1622	
lbs./Ft.3		0.8 -1.2
Compressive Strength	ASTM D-1621	
psi	Proc A	May-45
Gel Time	DOE (3) (8) / HUD 6.2.3	25 sec.
Shrinkage (variable)	DOE (e) (11) / HUD 6.2.5	approx. .5-1.5%
Fungi Resistance	HUD procedure	No Growth
Toxicity	FHSA	Non Toxic

Thickness	At 35 degrees Mean Temp.	At 75 Degress Mean Temp
3/4"	3.75	3.6
1"	5.1	4.8
1-1/2"	7.5	7.2
2"	10	9.6
3-1/2"	17.5	16.8
4"	20	19.2

High Rise Buildings

Cement Block Construction

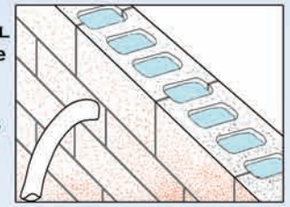
Brick Veener

New and Retrofit

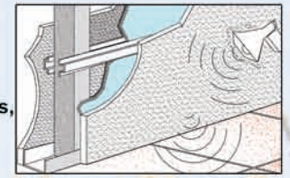
Energy Star Approved

MASONRY BLOCK/CORE FILL
- Increased thermal performance over inserts and pour-in.

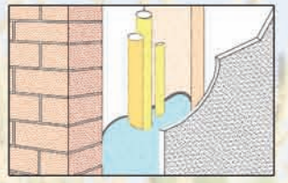
HUD, ASTM & NYC-MEA
- Insulates block & mortar joints
- Applied after wall sections are complete.



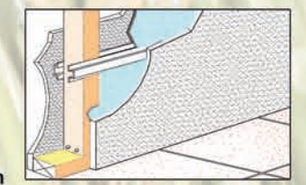
SOUND DEADENING
- Reduces Sound transmission
- STC rating 53
- Upgrade existing wall systems
- For elevator shafts, pipe chases, bedrooms, bathrooms, party walls and road noise.



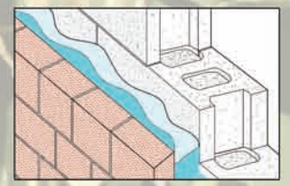
PIPE CHASES
- Eliminates condensation
- Reduces heat loss
- Deadens noise from water and waste lines
- Protects pipes from freezing



CORRECT FIRE WALL RATINGS PROBLEMS
- Correct deficiencies in Fire Wall construction
- Custom solutions for fire rating problems
- Stop internal wall fire updraft
- Does not support combustion



BRICK VENNER/MASONRY
- Less costly than rigid board construction
- No cutting and fitting
- Less labor and time
- Less infiltration than with board type insulation



CLUSTER PROJECTS / TOWN HOUSES
- Fast and easy to install
- Upgrade buildings already inhabited
- Less interior labor and less cost
- Less destruction required