



**MasonAccess.com**  
Masonry Accessories, Inc.  
1-800-924-6802

# Industrial Perlites for Insulation

## Overview

Ryolex is our brand of expanded perlites we refer to as macroparticles. These coarser particles are produced by heating crushed perlite between 1600° and 1800°F, causing the particles to expand 4 to 20 times due to the vaporizing of water in the rock. This expansion accounts for Ryolex's light weight and other exceptional physical properties.

## Structure

Once exposed to rapid, controlled heating, the expanded perlite takes on a foam-like structure of microscopic glass bubbles that contain a multi-cellular core. These clusters of glass bubbles have the unique quality of being naturally insulating and yielding superior dynamic thermal performance.

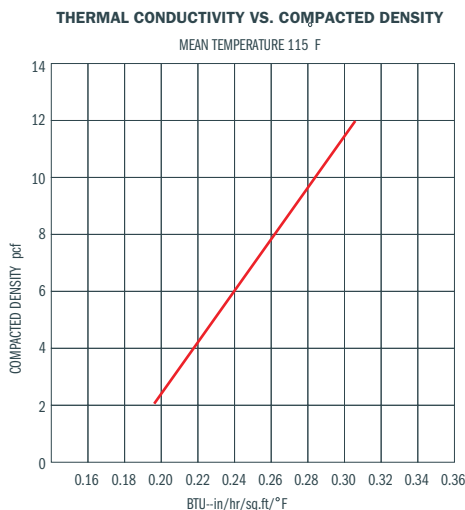
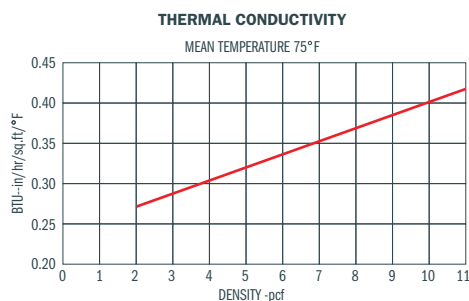
## Uses

Ryolex is ideal for loose-fill insulation, as it easily pours into odd-shaped spaces and can reduce heat transmissions of masonry walls by 50% or more. Its many insulation applications include:

- Loose-fill masonry
- Cinderblock walls
- Under slab
- Chimney lining
- Ceiling tiles
- Cryogenic
- High temperature

## Benefits

- Significant energy savings when used in concrete masonry
- Increases R-Value
- Decreases U-Value
- Non-Carcinogenic
- Efficient, low-density insulator
- Non-toxic
- Non-combustible
- All-natural mineral



## Trace Elements

Manganese	<0.3%
Sulfur	<0.2%
Titanium	<0.1%
Barium	<0.1%
Gallium	<0.05%
Boron	<0.01%
Chromium	<0.0075%
Zirconium	<0.003%
Molybdenum	<0.002%
Nickel	<0.002%
Copper	<0.0015%
Lead	<0.001%*
Arsenic	<0.001%*
Chlorine	<0.0005%

All analyses are shown in elemental form even though the actual forms present are mixed glassy silicates. Free Silica may be present in small amounts, characteristic of the particular ore body.

\*By Food Chemicals Codex Method

