

InsulGrade R-Tech APS Food & Nutrition Warehouse: Albuquerque, New Mexico

INSULFOAM[®]

A **CARLISLE** COMPANY

The largest publicly traded EPS manufacturer in the United States.

106,00 Sq. Ft. warehouse project saves costs by using EPS.



By utilizing EPS instead of XPS, the concrete contractor saved approximately \$20,000 in material costs.



Project Profile: APS Food & Nutrition Warehouse

Albuquerque Public Schools (APS) in New Mexico have been undertaking a massive classroom and educational rebuild and remodel. All new construction has been designed using sustainable materials and energy-efficient principles with LEED certification as the end goal.

As part of new buildings under construction is a 108,000 sq. ft. central Food and Nutrition Services Kitchen and Storage Warehouse.

Originally specified XPS was replaced with Insulfoam R-Tech VI 40 psi over the sub slab freezer floor. The project utilized 2 lifts of 3" R-Tech instead of 3 lifts of 2" XPS ultimately saving the concrete contractor approximately \$20,000 in material costs.

Specify Insulfoam in your projects:

ENGINEERED EPS
Versatile, Durable, Recyclable

www.INSULFOAM.com



R-Tech is an ENERGY STAR qualified insulation and qualifies for LEED points.



Project Details:

Commercial Concrete Contractor: Cleo J. Powell, Inc.

Insulfoam Distributor: Zia Concrete Supply Company, Inc.

General Contractor: Gerald Martin

R-Tech Uses:

R-Tech has been used successfully for numerous commercial, industrial and residential applications:

- Below Grade Insulation
- Waterproofing Protection Board
- Cavity Walls
- Interior Walls
- Cold Storage & Freezers
- Sheathing
- Concrete Panel Insulation
- Concrete Slabs
- Radiant-Heated Floors

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R-Tech Advantages

InsulGrade R-Tech features a premium factory-applied laminate polymeric facer that is virtually impervious to moisture, keeps water from entering the insulation, and away from concrete foundation & slabs. Available in 4'x8' panels and thicknesses starting at 3/8", with compressive strengths from 10-60 psi, pick the right thickness and compressive strength for your job. In addition, R-Tech offers a long-term stable R-Value, is an ENERGY STAR® qualified insulation and qualifies for LEED points.

Environmentally Friendly: R-Tech contains no dyes, formaldehyde or ozone-depleting HCFCs, may contain recycled material and the foam core is 100% recyclable.

Stable R-Value: Unlike XPS, there is no thermal drift. Designers are well served knowing the R-Tech thermal properties will remain stable over its entire service life. R-Tech is eligible for an Insulfoam 20-Year Thermal Performance Warranty - a warranty that's not prorated or limited to a percentage of the published R-Value.

User Friendly: R-Tech can be ordered with the InsulSnap feature which scores the product longitudinally at any pre-ordered interval. The InsulSnap feature minimizes labor by enabling the installer to cleanly break the product at the desired width while also minimizing product breakage and waste.

Water Resistance: R-Tech facers provide a surface that is virtually impervious to moisture.

Insect and Mold Resistant: R-Tech can be manufactured with an inert additive that deters termites and carpenter ants. R-Tech does not sustain mold and mildew growth.

Jobsite Durability: With a polymeric facer on either side of the R-Tech, it is an extremely flexible and durable insulation.

Cost-Effective: R-Tech is typically less expensive than comparable insulation products.

Proven Performance: The same fundamental EPS chemistry has been in use since the mid-1950's so the actual performance of the product is well known.

Code Approvals: Insulfoam is recognized by the ICC-ES for numerous applications

Enhanced R-Values: In certain applications, increased R-Values can be obtained by placing the metallic reflective side of the R-Tech towards a dead air space. R-Value gain is dependent on the amount of dead air space between the R-Tech and outer surface

