Under Concrete Slab
Insulated Floor Systems

Under Concrete Slab Insulation

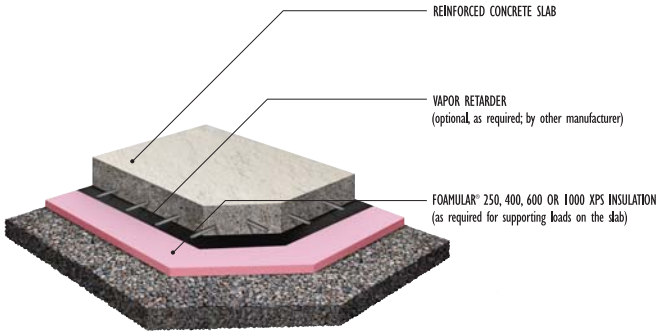
Industrial and low temperature concrete slab floors are insulated to save energy and reduce the cost of building operation. Well insulated floor slabs are particularly important in the operation of low temperature and cold storage buildings. In addition to the energy cost savings associated with well insulated slabs, insulation and under floor heating systems provide protection for floors against damaging frost heave. The insulation also must be structurally capable of supporting the high rack storage and/or forklift traffic loads that are common on industrial and low temperature floor slabs.

FOAMULAR® 400/600/1000 Under Slab Insulation

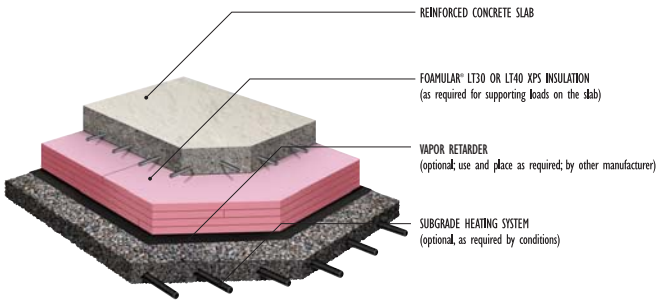
FOAMULAR® extruded polystyrene (XPS) insulation is perfect for under slab environments. It is closed cell, chemically hydrophobic, and homogenous in structure (unlike EPS, bead board). Those characteristics give FOAMULAR® XPS insulation superior water resistance, enabling it to maintain its R-value of 5 per inch of thickness and structural properties even in a moist or wet under slab environment.

FOAMULAR® XPS insulation is available in high compressive strengths of 40, 60 and 100 psi for use under high load and high traffic concrete slabs in industrial and low temperature storage buildings. Other engineering properties such as recommended load limits and foundation modulus are available to help select the correct strength of product for the situation.

Under Concrete Slab Insulated Floor Systems



Industrial Under Slab Insulation



Low Temperature and Cold Storage Under Slab Insulation

FOAMULAR® LT30/LT40 Under Slab Insulation

Particularly well suited for the typical load carrying demands for insulation under low temperature floor slabs, FOAMULAR® LT30 and LT40 insulation have compressive strengths of 30 and 40 psi respectively. Both also have the same thermal resistance of R-5 per inch of thickness as other FOAMULAR® products.

Notes

1. See actual warranty for complete details, limitations and requirements.

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