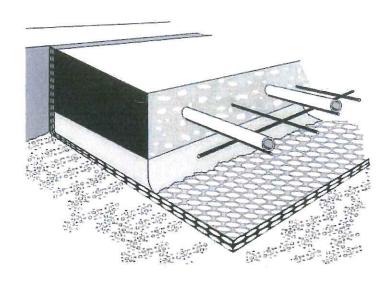
TUFF-STUFF'

BELOW HEATED CONCRETE FLOORS

For a High-Strength Insulating Moisture Barrier



Typical Slab-On-Grade Installation

Special Features Include:

- Absolute Moisture Barrier Keeps heat-robbing ground moisture away from the concrete.
- Reduces Downward Heat Loss by Over 50% Exceeds the requirements of most HVAC load calcuation programs.
- Super-Strong 388 PSI Puncture Resistance Will support over 6" of concrete plus floor loads indefinately.
- Total Over 19 mil Extruded Polyethylene Film Withstands rough handling by istallers and finishers.
- Air-Encapsulating Vacuum Formed Bubbles Results in a structure that will not delaminate.
- PET Coating Strengthens & Protects Foil Against Chemical Erosion TUFF-STUFF can be laid with the foil side up or down, whichever is most convenient.

TUFF-STUFF TECHNICAL DATA

SPECIFICATIONS:

Water vapor Transmission: Puncture Resistance:

Rating 0.002 (Impermeable) 388 PSI

Test Method ASTM E 96-95 ASTM F 1306 Fed. Test Std. 101C-Method 2031 **ASTM D 412**

Tensile Strength: Flame & Smoke Rating: System Thermal Resistance: Concrete (0.10 R/inch)

> Sand (0.40 R/inch) TUFF STUFF

0.20 R (2 in.) 0.60 R (1.5 in.) 1.30 R 0.45 R (3 in.)

85-95 lb/sq. in.

Class 1, Class A

ASHRAE Handbook ASHRAE Handbook

ASTM E 84

Gravel (0.15 R/inch) Total R Value Insect and Fungi Resistant 2.55 R (system)

ASTM C 518 ASHRAE Handbook

INNOVATIVE ENERGY, INC. Your Single Source for Reflective Insulation Products

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