

Insulation and Air Seal

HEALTHY AND ENVIRONMENTALLY FRIENDLY

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SEALECTION™ 500: Totally water blown semi-rigid polyurethane foam insulation system which simultaneously insulates and air-seals.

SEALECTION™ 500: Designed specifically to make homes more energy efficient, comfortable, quiet and less dusty.

SEALECTION™ 500: Is applied as a liquid, which expands and cures within seconds into a semi-rigid mass. The reduction of air leakage in problem areas such as sill plates, headers, truss ends, base boards, electrical outlets, piping, around windows, doors etc. minimizes energy losses.



The **SEALECTION™ 500** insulation system provides superior performance:

Energy Efficient Homes- heating and cooling costs can be reduced by as much as 50 %.

Reduction of Heating and Air Conditioning Tonnage by as much as 40 % with neither increased energy requirements, nor the loss of efficiency and comfort.

Draft Free Environment – seals cracks, joints etc., which prevents uncontrolled movement of air through the wall assemblies.

Quiet Homes – The open cells and semi-rigid polyurethane mass will absorb and reduce the transmission of sound.

Dust Free – **SEALECTION™ 500** insulation reduces allergens, pollen and external dust from entering the homes.

Improved Indoor Air Quality
Perfect Fit Every Time
“IT PAYS FOR ITSELF”

*Using products with the ENERGYSTAR label can save energy. Saving energy reduces pollution and lowers utility bills.**





ENVIRONMENTALLY SAFE

- Contains no ozone depletion chemicals, no formaldehyde or asbestos.
- No toxic substances are emitted. Passed the established off gassing tests.
- Approved by Environment Canada Environmental Choice^M Program (Canadian version of US-EPA).



PHYSICAL PROPERTIES

| Method | Description | Value |
|----------------|---|--|
| ASTM D 1622 | Density | 0.45 – 0.5 lb./ft ³ |
| ASTM C518 | R-Value | 3.81 ft ² .h. ^o F/BTU.in |
| ASTM E283-91 | Air Leakage @ 75 Pa (25 miles/h. wind) | 0.00013 ft ³ /s.ft ² |
| | Sustained Wind Load 60 minutes @ 1000 Pa (90 miles/h wind) | No Damage |
| | Gust Wind Load Test @ 3000 Pa (160 miles/h) | No Damage |
| CGSB 51.23-92 | Off Gassing | No Toxic Vapors |
| ASTM E 84 | Surface Burning Characteristics (6" thick) | |
| | • Flame Spread Index | 21 Class I |
| | • Smoke Developed | 216 |
| ASTM E90/ E413 | Sound Transmission Class | 39 |
| ASTM C423 | Sound Absorption Coefficient | 75 |



Note: Certified independent laboratories conducted all tests.

Approvals

Authorities having jurisdiction have evaluated **SEALECTIONTM 500** and confirm that it meets the intent of the North American Building codes. The following approvals were obtained:

- SBCCI Evaluation # 9758
- CCMC Evaluation #12697 -R
- Environmental Choice Program Eco Logo ECP -40
- BOCA Evaluation #ES 96 21
- Warnock Hersey Evaluation #193-7081
- New York State Uniform Fire Prevention and Building Code.

For additional information and installers in your area, please contact

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