

EXD300

EXD300 High Density
Insulation rigid expanded
polystyrene boards
suitable for a variety of
construction applications
ranging from
below grade insulation
and under concrete slabs,
to interior/exterior walls,
roofs and more.

Meets and/or exceeds
ULC requirements for
foamed plastics Type 3.

BENEFITS

- Compressive Strength 30 PSI
- Moisture Resistant
- Maintains Long Term Thermal Properties
- Available in custom lengths & thicknesses
- Helps to meet or exceed LEED Project Criteria
- Passive House Standards
- 100% Recyclable

APPLICATIONS

- High Density Insulation for Structural Raft Slabs
- Suitable for under concrete slabs, sidewalks, driveways
- Foundation Walls
- Flat/Tapered Roofs
- Television and Film
- Artwork and Signage



e-insulation by
eps DEPOT Inc.

SPECIFICATIONS

Standard Sheets come in 4'x8' and 2'x8' butt edged. Shiplap also available upon request.



EXD 300 EPS foamed plastic, Type 3 – Material Properties

EPS Physical Properties	ASTM Test Method	Standard
Thermal Resistance (R-Value per inch) (ft ² •hr•°F/(BTU•in)) minimum	C518	4.27
Water Vapour Permeance (ng/Pa•s•m ²) maximum	E96	130
Dimensional Stability (% Linear Change) maximum	D2126	1.5
Flexural Strength (kPa) minimum	C203	300
Water Absorption (% by volume) maximum	D2842	2.0
Compressive Strength (kPA / PSI) minimum	D1621	140 / 20
Limiting Oxygen Index (%) minimum	D2863	24

EXD 300 conforms to CAN/ULC-S701-11 Standard for Thermal Insulation, Polystyrene Board and Pipe Covering Type 3. BOZC7.R27245

ENVIRONMENTAL IMPACT

EPS has much lower negative environmental impacts than most other foam plastic insulation materials. The Environmental Product Declaration (EPD) has been certified by UL Environment. EPS has no nutritional value for insects. EPS insulation resists mold & fungi growth per ASTM C1338.

RECYCLING

EPS Depot recycles #6 Expanded Polystyrene (EPS) in a clean, non contaminated, dry form for its' customers. EPS can be recycled for reuse in in various applications including packaging, construction, landscaping, outdoor furniture, and more.

PASSIVE HOUSE

Passive houses are green buildings constructed using a set of international design principles and standards that allow them to use up to 90 per cent less energy for heating and cooling than conventional buildings, thereby producing far fewer greenhouse gas emissions. EXD High Density Insulation is the perfect product to meet and or exceed these requirements, used as the base material for structural raft slabs, or as additional Continuous Insulation on exterior walls. Contact us today for more information.



FIRE CHARACTERISTICS

Expanded Polystyrene is a combustible material and therefore should be protected from open sources of ignition, such as flames and other sources of combustion. Combustible material of an increased thickness or higher density will increase fuel loading and therefore increase measured flame spread ratings when tested in accordance with CAN/ULC S102.2.

AVAILABILITY

EXD300 is manufactured by EPS Depot Inc in Mississauga, ON and available through our distribution network. For your local distributor, contact EPS Depot Inc at 905-817-1907.

MAINTENANCE

Under normal use, no maintenance is required for EPS. Adequate drainage/ventilation can dry out EPS that became wet, per ASTM C1512 tests.



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