

# Insulating Interior Basement Walls using **PlastiSpan®** or **DuroFoam®** Insulation



## 1 Start From A Corner.

The wall surfaces must be clean, dry and free of foreign materials and sharp projections. Starting from a corner, attach PlastiSpan insulation to the basement wall using an adhesive compatible with expanded polystyrene insulation.



## 2 Measure and Cut.

Measure and cut PlastiSpan insulation with a utility knife or fine tooth hand saw such as a keyhole type or drywall saw to fit openings such as windows.



## 3 Create A Vapour Barrier.

To create a vapour barrier the PlastiSpan insulation should be tightly butted together. Joints should be no wider than 1 mm. You can ensure this by applying adhesive between the boards.



## 4 Frame the Wall.

Construct a separate wood-framed wall installed in front of the PlastiSpan insulation to support 1/2" thick gypsum board. The vertical framing members should be at least 2" x 2" spaced at 16" or 24" on centres.



## 5 Install the Wall.

Fasten the framed wall to the upper floor joist and to the basement floor leaving a small gap between the insulation and the back of the framed wall. Electrical wiring can be placed within the frame wall by running wiring behind the framing in the small gap behind the framing and using shallow electrical boxes.



## 6 Attach Gypsum.

Attach 1/2" thick gypsum board to the face of the frame wall.



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