# **Choosing Efficient Home Insulation**



# Home Desciption 4 Bedroom Full Basement 2 Car Garage 4,200 Square Feet Total Heated Area



Comparing basic insulation with efficient insulation

Most homes with basic insulation contain fiberglass insulated walls, blown cellulose attics, uninsulated or partially insulated basement walls, uninsulated basement floors, and fiberglass blankets on the garage veiling.

At Strukt Solutions, an efficiently insulated home contains Sprayed polyurethane foam, appropriate wooden frame studs, and polystyrene boards on walls as well as appropriate R-Value spray foam on attics, basement walls, garage ceiling, and heating ducts.

### **Insulation Costs**

Insulation costs in 2023

\$4,000

Average basic insulation cost

\$10,000

Average efficient insulation cost

Average yearly energy bills

\$2,934

Home with basic fibreglass insulation energy bill

\$1,090

Home with efficient spray foam insulation energy bill

## Rebates

You can get rebates as much as

\$2,000

on eligible home improvement projects such as insulation.

## ROI on installing Efficient insulation

#### Investment

investment = cost of efficient insulation – cost of basic

\$10,000 - \$4,000

=\$6,000

Cost of investment

**Returns: Year One** 

Returns = rebates + energy bill difference

**=\$2,000 + (\$2,934 - \$1,090)** 

=\$3,844

Returns

#### **Return on Investment**

ROI = (returns / investment) \* 100

(\$3,844/\$6,000) \* 100=64% ROI

Return on investment with efficient spray foam insulation

This gives a 64% ROI in the first year with the rebates and a 30% ROI in subsequent years or a 30% yearly ROI from year one without rebates.