

Triple-Pane vs Double-Pane Decision Guide

When the upgrade pays off in the GTA

Quick reference

1 Compare the U-values

Double-pane: 1.4-1.7. Triple-pane: 0.8-1.1. Energy Star Zone 2 cutoff: 1.22.

2 Check window size

Anything over 1.5 sqm benefits from triple-pane downdraft elimination.

3 Check the room's use

Living rooms and bedrooms gain more comfort than secondary spaces.

4 Check road noise exposure

Houses on arterial roads gain 3-5 STC points with triple-pane.

5 Check sun exposure

South-facing solar-gain windows often perform better with double-pane.

6 Check the frame system

Triple-pane needs 82mm+ frames and beefier hardware.

7 Check rebate eligibility

Triple-pane usually qualifies for Energy Star Most Efficient tier.

8 Run the payback math

Pure energy payback: 12-20 years. Comfort payback: immediate.

9 Consider a mixed approach

Triple-pane in priority rooms, double-pane elsewhere.

Free in-home assessment for GTA homeowners