

REFERENCE

Why Did My Window Crack? A Quick Guide

Understanding Spontaneous Glass Breakage

This guide helps you identify the potential causes of a window cracking on its own, without any obvious impact. Use this reference to understand the signs of spontaneous breakage and determine your next steps.

Signs of Spontaneous Breakage vs. Impact

- No obvious point of impact (like from a rock).
- Crack pattern originates from the edge of the glass.
- May look like a spiderweb without a central impact point.
- Impact breaks often show a starburst pattern from a single point.

Common Cause: Thermal Stress

- Caused by uneven heating and cooling across the glass pane.
- A crack starts at the very edge of the glass.
- It runs perpendicular to the edge before branching out.
- Common on sunny days when parts of the window are in shade.

Common Cause: Inclusions & Flaws

- Microscopic flaws from manufacturing, like Nickel Sulfide (NiS).
- More common in tempered glass.
- The flaw expands over time, creating internal stress.
- Breakage can appear random and shatter the entire pane.

What To Do Next

- Carefully document the crack with photos.
- Avoid touching or applying pressure to the damaged glass.
- Temporarily secure the window if necessary for safety.
- Contact a professional to assess the damage and cause.
- Discuss replacement options suitable for your local climate.

Explore durable, high-quality window replacement options with our expert team.

