



## IS 5437:2024

Rolled glass is **made by pouring molten glass on metal sheets and flattening it with a large roller**. The glass is annealed or cooled slowly so as to give it desired properties. Some rolled glass is made on a double roller table, which presses the molten glass between two rollers.

**Patterned glass** is typically produced by passing heated glass through rollers containing a regular pattern to be imprinted upon the glass. This type of glass is often used for bathroom windows or doors where, like sandblasted glass, light may be required but not total transparency. Also known as **textured glass**, its features make it ideal for enhancing the aesthetic appeal and privacy of a home.

**Wired glass** is a piece of glass with a layer of meshed wire completely embedded in the glass, but not necessarily in the centre of the sheet. When the glass is broken, the wire mesh holds the pieces together to a considerable extent.

This standard was first published in 1969 with the title 'Figured, Rolled and Wired Glass' and subsequently revised in 1994. In view of the technological advancements in the industry, rolled glass has been categorized into following four types, namely:

- a) Patterned glass;
- b) Extra clear patterned glass;
- c) Wired glass; and
- d) Wired-patterned glass.

Accordingly, the standard was revised again in 2024 with change of the title as **Rolled Glass — Patterned, Extra Clear Patterned, Wired and Wired-Patterned Glass — Specification**. In order to homogenize the standard with international standards, technical assistance has been derived from many standards published by International Organization for Standardization and European Nations.

This standard consists of Terminology used industry/market, test requirements common to all glass types, specific test requirements to specific glass types, sampling, test methods and requirements related to packing/marketing for patterned, extra clear patterned, wired and wired-patterned glass.