

Noval Glass floor panels

Meeting Your Aesthetics Needs

Description

Noval Glass floor panels is a laminated safety glass which is designed especially for floor panels and stair treads. Glass floor panels comprises two or more sheets of glass bonded together with one or several Polyvinyl Butyral (PVB) interlayers. If the glass breaks, the fragments are held together by the PVB interlayer (s).

The number and /or thickness of each of the components can be varied to obtain laminated safety glass with different characteristics to satisfy all specifications.



Applications

Floor panels

Noval Glass floor panels is used as a floor element supported via a separate support structure.

Stair treads

Noval Glass floor panels can be used as a stair tread or floor panel.

Noval Glass floor panels is designed for internal applications. Special applications can be designed so that SGG

Glass floor panels can be used in external applications

Noval Glass floor panels should be designed to carry loads set out in BS 6399.

Advantages

Transparency

Noval Glass floor panels can be used to create a transparent floor cladding which allows light to enter the area below.

Stability in the event of breakage

If the glass breaks, the fragments are held together. The glass therefore provides residual safety until the glass is replaced.

Protection against injury

Noval Glass floor panels is a laminated safety glass .If the glass breaks, the fragments of glass remain bonded to the interlayer and avoid the risk of injury.

Slip –resistant

The floor should have an anti-slip top surface to provide slip resistance values when wet and dry .Please contact NOVAL GLASS for advice.

Range

Base products

Noval Glass floor panels can be made using the following substrates:

- Clear float glass
- Ertra-clear glass
- Heat-strengthened glass
- Body –tinted glass
- Acid etched glass
- Sandblasted (sandblasted on underside of the panel)
- Screen-printed glass (one component only)
- Textured glass (patterned face on upper side of panel)



Interlayers

The different types of interlayer that are available for Noval Glass floor panels are:

- standard transparent
- opaque
- coloured
- printed with a digital image
- printed with a pattern

Composotions

Details of glass from the Noval Glass floor panels range can be found below. The safety level required and therefore the type of glass that should be used depends on the number and type of supports ,the length-width ratio (L/W) and the type of building in which the panel is to be installed.

As a general rule, the thickness required is determined on a case by case basis using the loads as per BS 6399.

Processed product Vriations

- The maximum weight per sheet of glass is 1000kg.
- Edgeworking Noval Glass floor panels and stair treads reduces the risk of breakage during transportation and assembly .Visible edges can be polished whereas non-visible can simply be arrissed.

Intallation Guidelines

See "Floors and Stairs" section

A risk assessment must be undertaken on Noval Glass floor panels for thermal breakage when placed near a heat source

Standards and Regulations

Noval Glass floor panels complies with BS EN 12543. Noval Glass floor panels will receive CE marking when it is officially in force.



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