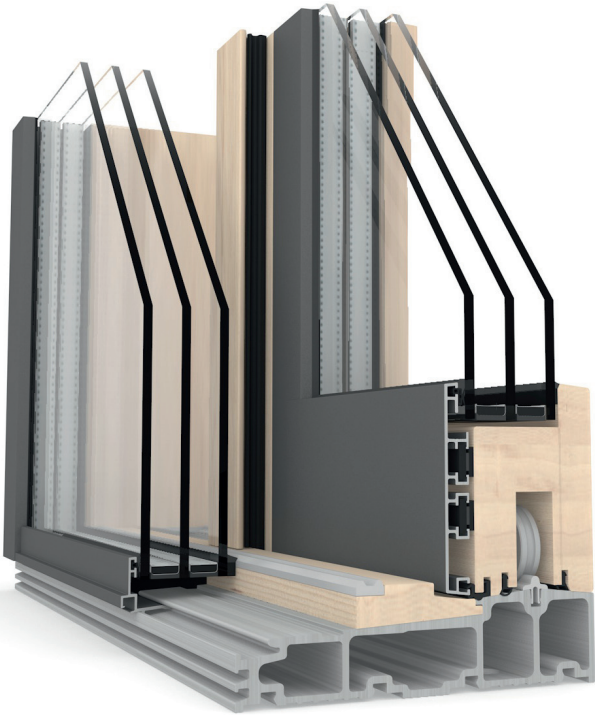


## TIMBER/ALUMINIUM LIFT-AND-SLIDE DOOR HS 330



- Thermal insulation with standard triple glazing ( $U_g = 0.60 \text{ W/m}^2\text{K}$ )  $U_w = 0.77 \text{ W/m}^2\text{K}$
- Best thermal insulation at low weight  $U_w$  up to  $0.67 \text{ W/m}^2\text{K}$  (with 3light glazing)
- Standard **triple security glazing** with 54 mm glazing thickness for best thermal insulation
- 6 mm **toughened panes** protect from injuries when glass breakages
- Modern, **square-edged appearance** inside and outside
- **All-glass corners** for modern architecture
- **Large-scale elements** – easy lifting and sliding of the sash up to 400 kg sash weight
- From 150 kg sash weight on **additional carriages** on the bottom for perfect smooth running of the sash
- Highly thermally insulating **glass fibre threshold** for optimum thermal insulation and stability
- Low threshold – suitable for **wheel-chair access**, covered with timber profile in the area of fixed element
- **Guiding rail - concealed** in frame – **with integrated bump stop** – for perfect appearance, smooth running and optimum burglary protection
- Security class **RC2**
- Fixed element glazing is directly in the frame – **no visible sash profile**, more light through narrow view widths
- **Opening width of the sash** can be adjusted in such a way that the opening clearance is not reduced
- **Narrow frame profiles** for greatest possible view – door can be rendered completely on three sides – therefore, only glass is visible from the side element
- **Patented glazing system** enables glass exchange even with completely rendered frame
- Aluminium surface allows **unlimited choice of colours**

**I-tec Glazing**



### Sophisticated timber appearance

The lift-and-slide door even features continuous timber design in the lower threshold area.



### Perfect design

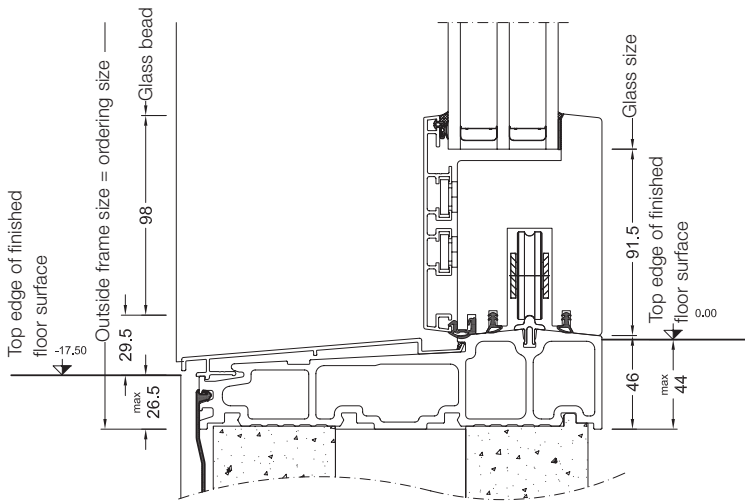
No sash screwed into the fixed element, can be rendered on three sides – for perfect glass appearance.



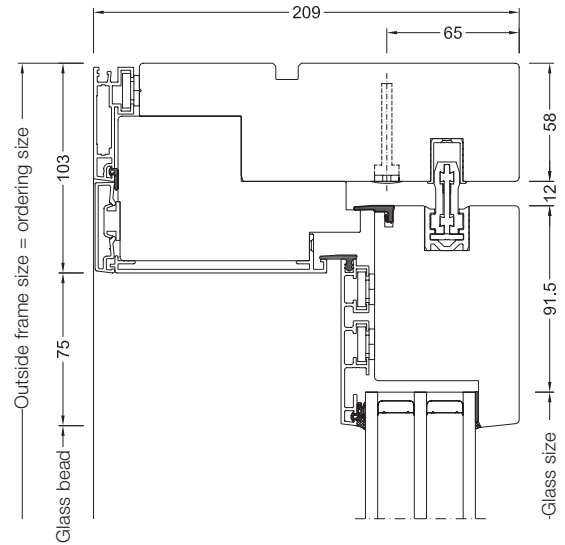
### Energy saving glass fibre threshold

For optimum thermal insulation and stability, low version for convenient passing.

Vertical section bottom



Vertical section top



**Profile design**

- Same profile all the way around

**System description**

- Inside: timber types are spruce and larch, glued in three layers, triple surface finish in 11 standard colours, all RAL colours are available
- Aluminium outside: anodised, RAL, highly weather-resistant structural, metallic and timber decor colours available

**Quality assurance/monitoring**

- In-house quality assurance system
- Mark of quality A
- External quality control
- DIN EN ISO 9001-certified

**Designs**

- **Model A:** Sash/fixe
- **Model C:** Fixed/sash/sash/fixe
- **Model G:** Fixed/sash/fixe
- Fixed elements HSH 30
- All-glass corners

**Raw materials**

- Glued spruce and larch scantlings
- Powder-coated aluminum profiles
- Timber frame = glued laminated timber for conservatories – several times glued with visible (inside) top layer continuous up to 3.8 m – other layers are finger-jointed
- EPDM and silicone sealing profiles

**Hardware**

- Generally fully concealed
- Secure ventilation through 11 mm ventilation gap
- Security hardware

**Heat insulation**

- With standard glazing (6b/18/6/18/b6 Internorm SOLAR+)  $U_w = 0.77 \text{ W/m}^2\text{K}$
- With glazing (6b/18/6/18/b6 Internorm light)  $U_w = 0.69 \text{ W/m}^2\text{K}$
- Glazing (6b/18/6/18/b6 Internorm light) with ISO spacer  $U_w = 0.67 \text{ W/m}^2\text{K}$

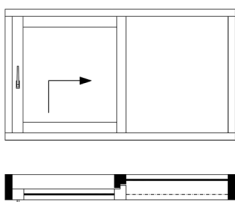
**Warranty**

- Please consult the Maintenance-Care-and-Warranties booklet for detailed information on the extensive Internorm warranties.

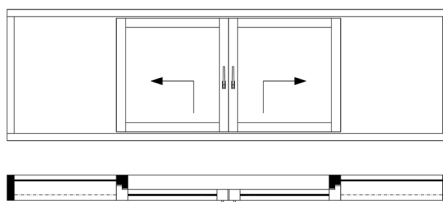
**Distribution, installation and service**

- By authorised Internorm distribution partners

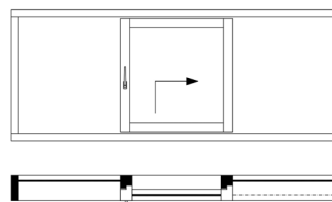
Model A



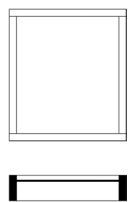
Model B



Model C



HSH 30



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