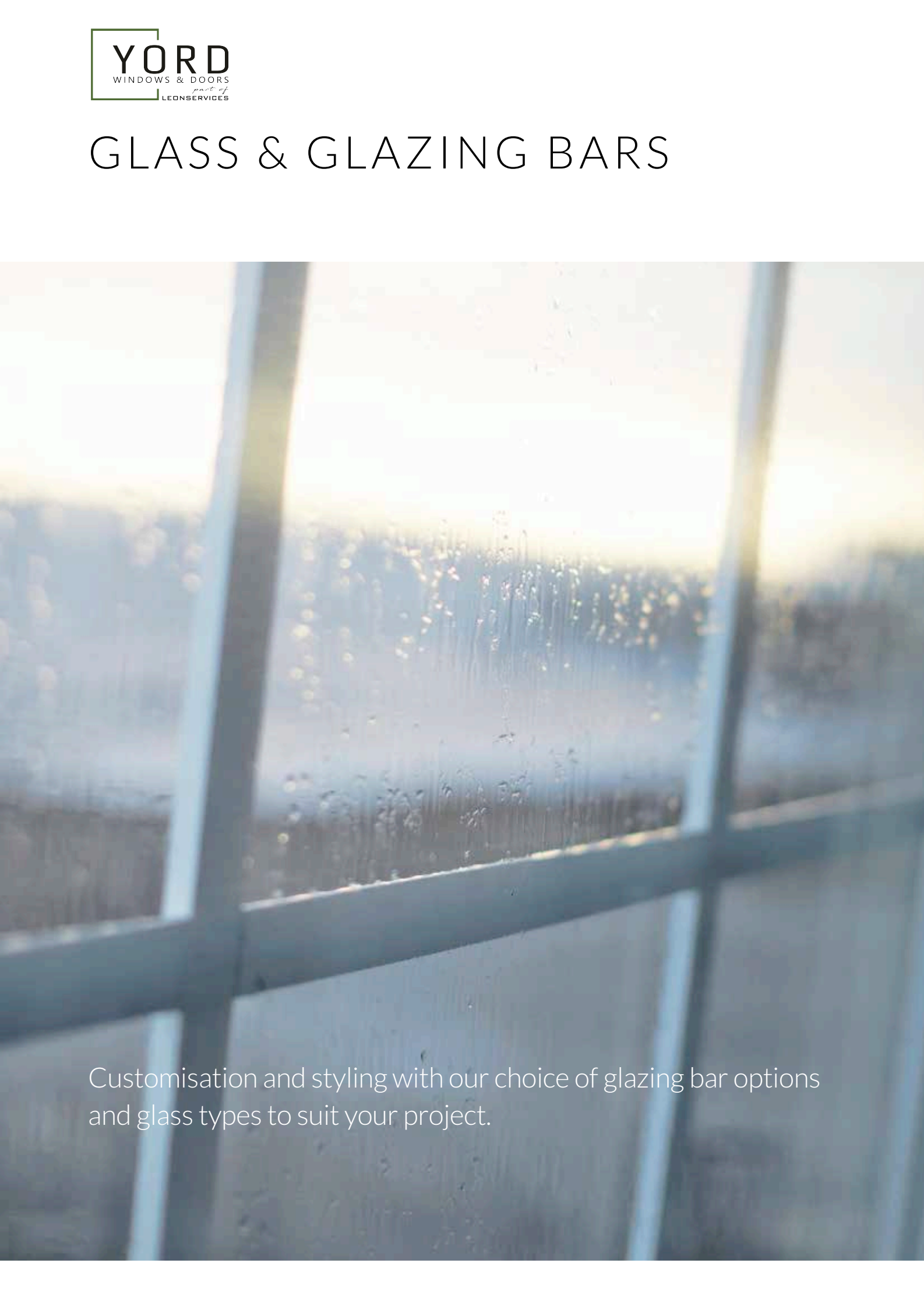


# GLASS & GLAZING BARS



Customisation and styling with our choice of glazing bar options and glass types to suit your project.

# OUR GLASS

A window has a multitude of functions. It must let in light, provide a view, allow ventilation, insulate thermally and acoustically, protect against the weather, break-ins and fire. Whatever your requirements, we will have a glass to suit.

Windows products are factory double or triple glazed with 28mm, 36mm or 48mm dual sealed units incorporating 'warm edge' composite super spacers and argon gas filling as standard.

All commercially available high performance glass types can be supplied to meet particular requirements for thermal insulation, acoustic attenuation, solar control, safety, security and fire protection.



## THERMAL INSULATION

Only the latest low emissivity glass coatings are employed in our sealed units to provide whole window 'U' value ranges from 1.4w/m<sup>2</sup>k to less than 0.8w/m<sup>2</sup>k.



## SAFETY

We can provide a range of toughened and laminated glass to suit all safety and containment regulations.



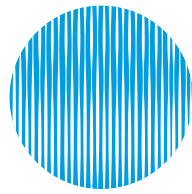
## SECURITY

Principle window and door products are PAS 24 tested, glazed in accordance with Building Regulation Part Q and Secured by Design certified.



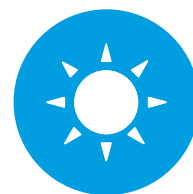
## ACOUSTIC GLASS

Specially developed laminated glass types and tested combinations are available which significantly reduce noise pollution entering the building up to 48dB(Rw).



## OBSCURE GLASS

A frosted or decorative glass can provide privacy or create a design statement.



## SOLAR CONTROL

High performance solar control glass coatings can be applied to limit heat gain within the building without sacrificing light transmission.



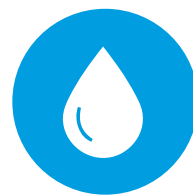
## SELF CLEANING GLASS

Glass which uses nature's own powers of sunlight and rain to keep the glass free of dirt.



## FIRE RESISTANCE

Limits the rate at which a fire can spread. Tested and classified to EI45.



## EXTERNAL CONDENSATION

With the advent of ultra low emissivity glazing, external condensation has become an issue during Autumn. No longer a problem with our anti-condensation outer pane.

# GLAZING BARS



## TRUE COMPOSITE GLAZING BAR

Dividing multiple panes within a single sash. Finished timber internally and aluminium externally jointed into sash members.



## BONDED GLAZING BAR TO SEALED UNITS

Finished timber internally and aluminium externally with sealed unit spacer bar.



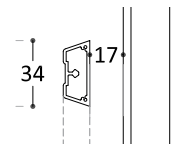
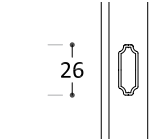
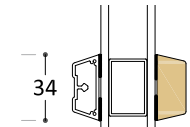
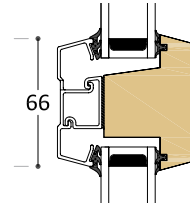
## INTEGRAL GLAZING BAR

Simple and cost effective solution. Available in a range of colours to match the frame and sash.



## CLIP-ON GLAZING BAR

External aluminium bar offset from glass unit. Cost effective solution with no effect on overall U-value. Can be unclipped for glass cleaning.



## BONDED GLAZING BARS

Traditional glazing bars are adhered to the glass. Aluminium outside and timber inside to match the window construction. Classic and Antik ranges only. 34mm wide.



Outside



Inside

## INTEGRAL GLAZING BARS

Installed between the panes of glass within the sealed unit. All ranges. An added advantage is that they don't hinder window cleaning. 18mm, 26mm or 45mm wide.



Outside



Inside

## CLIP-ON GLAZING BARS

Clipped on to the glazing bead, these can easily be removed for window cleaning. Classic and Antik ranges only. 34mm wide.



Outside



Inside