

## TENDER SPECIFICATION

### **ORNILUX supermikado oHT (Balustrades / Railings) (incl. freestanding application)**

## **Bird Friendly Railing / Balustrade Glazing**

Monolithic laminated glass with highly sophisticated UV coating – which is barely visible to the human eye and is primarily visible in the ultraviolet spectrum

The design of the bird friendly coating has to be of a spiderweb-like structure to ensure an overall uniform appearance (random design)

A certificate from the American Bird Conservancy ([www.abcbirds.org](http://www.abcbirds.org)) confirming a threat factor (TF) of  $\leq 25$  for the bird friendly glass incl. freestanding application (ie. such as roof tops, terraces, etc). The statement provided has to define the build up of the monolithic laminated unit, including glass thicknesses, glass substrates, and cavity.

The bird friendly coating must be available for and compatible with float glass, heat-strengthened glass, and tempered glass. The bird friendly as coating has to be bendable (convex and concave).

- Factory applied coating complying with ASTM C1376 and resulting in a stable, uniform, nearly invisible coating.
- Heat-strengthened glass complying with ASTM C1048, Kind HS.
- Fully tempered glass complying with ASTM C1048, FT and also conform to ANSI Z97.1-2015. All fully tempered glass shall be heat soaked. Submit certification that tempered glass intended for use on the project has been heat soaked tested in accordance with EN 14179.

#### Minimum laminated unit build-up

- 12.76 mm / 1/2" laminated float clear, consisting of
  - 6 mm / 1/4" float clear with ORNILUX supermikado oHT #1
  - 0,76 mm / 0,030 inch PVB Interlayer clear
  - 6mm / 1/4" float clear

Change of glass substrate, glass thickness, and/or build-up and the consequent deviating technical values require a separate calculation and must be shared with the customer. This also pertains the above mentioned certificate from the American Bird Conservancy (ABC).

Glass composition and thicknesses identified are minimum requirement.



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<u>Glass Values:</u>	Glass Substrate	
	Mid-iron / Float Extra	Low-iron
Visible Light Transmisson (VLT)	79 %	81 %
Visible Light Reflection (external)	16 %	17 %
Visible Light Reflection (internal)	16 %	16 %
Solar Heat Gain Coefficient (SHGC)	74 %	79 %

Tendered bird friendly glass:

arcon ORNILUX supermikado oHT

Alternate bird friendly glass quoted:

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