

## Damaging Transmission (UV)

### Breezway Technical Bulletin

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UV rays can cause furniture and carpets to fade. If the amount of UV rays entering through a window can be reduced, fading and other UV damage can also be reduced.

The amount of UV rays passing through glazing is expressed as the Tdw (Damaging Transmission). A Tdw score of 1 indicates that all of the UV rays striking a window are allowed to pass through the window. A Tdw score of 0 indicates that none of the UV rays striking a window are allowed to pass through the window.

Tdw ratings were included in WERS ANAC ratings, but were removed due to a lack of interest. Tdw ratings are therefore not found in WERS NFRC ratings.

The table below shows the Tdw ratings of various glazing types taken from WERS ANAC ratings for Altair Louvres in timber frames. There will be slight Tdw variations for Altair Louvres in various frame types due to differences in the % of the total window area taken up by the glazing, but these figures still give a good indication of the relative performance of various types of glazing.

#### Tdw Ratings for Altair Louvres in Timber Frames – WERS ANAC Data

Glazing Description	Tdw
6mm Clear	0.659
6mm Grey	0.289
6mm Bronze	0.308
6mm EverGreen	0.283
6mm Arctic Blue	0.362
6mm EverGreen	0.283
6mm SuperGrey	0.043
6mm Energy Advantage Low-E	0.556