

SHATTERPRUFE SAFETY GLASS COMPANY (PTY) LTD.

LABORATORY REPORT NO. 1521

DATE: 6th November, 1973.

SUBJECT: Assessment of Ego  
Glazing Tape.

CONDUCTED BY: Dr. J.P. van  
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Accelerated Weathering:

Deep Gold, 220 Gold, Bronze and Fadeban HI were glazed into a mild steel test frame using the Ego tape. The tape was wrapped round the edges of the laminates to ensure tape/vinyl contact. The test frame was suspended in the humidity cabinet (max. 60°C; min. room temp. 100 RH) for 200 cycles.

UV Resistance:

25mm x 100mm strips of 6mm aluminium and 4mm glass were thoroughly cleaned with MEK. The glass and aluminium strips were then stuck together with an area of contact of 625mm<sup>2</sup>.

One sample was kept in the laboratory as a control and the other sample was placed in the Xenotest and exposed to UV irradiation.

After 3000h in the Xenotest the tensile shear force was measured.

Results:

No deterioration of the tape was noticeable and the adhesion was uneffected. There was no visible interaction with the vinyl or our metallised glasses. The colour of the tape turned from grey to green.

U.V. Resistance:

	<u>Tensile Shear. Force</u>	<u>Type of Failure</u>
Control	2,4	cohesive
Test Sample (3000h UV)	2,1	cohesive

Conclusion:

The glazing tape is compatible with our glasses and gave excellent UV resistance results.



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