



other materials and uv values

standard glazing materials

Material	Breaking Resistance	Light Transmission		
		Clear	Opal	Bronze
3mm Polycarbonate	Virtually Unbreakable*	90%	65%	55%
3mm Ex Cel Polycarbonate	Virtually Unbreakable*	80%	50%	50%
10mm Twinwall Polycarbonate	Virtually Unbreakable*	79%	48%	35%
16mm Triplewall Polycarbonate	Virtually Unbreakable*	76%	48%	35%

*All plastics are weakened by drilling. Newdome glazes all top components to upstands with a steel security edge to avoid any unnecessary drilling through plastics in order to maintain breakage resistances.

Thermal insulation (u values)

Material	Single Skin (W/m ² /°C)	Double Skin (W/m ² /°C)
3mm PVC	5.6	2.7
3mm Polycarbonate	5.5	2.6**
3mm Ex Cel Polycarbonate	5.5	2.6**
10mm Twinwall Polycarbonate	N/A	3.0
16mm Triplewall Polycarbonate	N/A	2.4

**3mm PVC inner skin

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