

Energy Rating

Miglas **AliClad** windows and doors convince with high thermal performance that cater for the specific needs of projects in all climate zones. Low U Values, adjustable Shading and minimal Air Leakage making Miglas products the most balanced performing product of the Window Energy Rating Scheme (WERS).



Sustainable Design & Component Excellence

2006 WERS Certified Products Directory - ANAC

NOTES

www.wers.net



1. U_w is the whole window *U-value*
2. $SHGC_w$ is the whole window *solar heat gain coefficient*
3. T_{vw} is the whole window *visible (light) transmittance*
4. Percentage improvement figures are compared with using base-case Generic Window 1 (3mm clear in standard aluminium frame)
5. A negative percentage improvement figure indicates performance worse than the base-case window
6. A positive percentage improvement figure indicates performance better than the base-case window
7. Maximum air infiltration is 5.0L/s.m² at a positive pressure difference of 75 Pa as measured according to AS 2047
8. Static performance (U_w $SHGC_w$ T_{vw} T_{dw}) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
9. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (NatHERS) according to procedures of WERS 2004.
10. Results disclosed in Australian National Average Conditions (ANAC)

MIGLAS WINDOWS		Version 2	COOLING % impr.	HEATING % impr.	Total Window System Values - ANAC			
Window ID	Glazing	FRAME			Uw	SHGCw	Tvw	Air Inf.
Aliclad Casement								
MIG-05-002a	4/14/4	Aliclad	33	37	2.257	0.608	0.457	0.07
MIG-05-003a	4/14/4LE	Aliclad	38	40	1.841	0.569	0.42	0.07
MIG-05-004a	4PALGy/14/4LE	Aliclad	52	31	1.843	0.429	0.253	0.07
MIG-05-005a	4/14Ar/4LE	Aliclad	38	43	1.676	0.571	0.42	0.07
MIG-05-006a	4PALGy/14Ar/4LE	Aliclad	53	33	1.677	0.425	0.253	0.07
MIG-05-007a	4/12Ar/6LE54i1	Aliclad	50	36	1.627	0.452	0.275	0.07
MIG-05-008a	4/12Ar/6LE50i1	Aliclad	50	36	1.628	0.456	0.255	0.07
MIG-05-009a	4/14Ar/4S500	Aliclad	38	42	1.747	0.569	0.426	0.07
MIG-05-010a	4PALGy/14Ar/4S500	Aliclad	52	32	1.75	0.427	0.257	0.07
MIG-05-011a	4EcAd/12/4LE	Aliclad	50	33	1.785	0.448	0.32	0.07
MIG-05-012a	4SlrE/14/4LE	Aliclad	54	31	1.791	0.406	0.288	0.07

Glazing ID	Glazing Description
4/14/4	4mm Clear/14mm Air Gap/4mm Clear
4/14/4LE	4mm Clear/14mm Air Gap/4mm Energy Advantage Low-E
4PALGy/14/4LE	4mm Grey (PAL) /14mm Air Gap/4mm Energy Advantage Low-E
4/14Ar/4LE	4mm Clear/14mm Argon Gap/4mm Energy Advantage Low-E
4PALGy/14Ar/4LE	4mm Grey (PAL) /14mm Argon Gap/4mm Energy Advantage Low-E
4/12Ar/6LE54i1	4mm Clear/12mm Argon/6mm Solarplus Low-e54 on clear
4/12Ar/6LE50i1	4mm Clear/ 12mm Argon/ 6mm Solarplus Low-e 50 on clear
4/14Ar/4S500	4mm Clear/14mm Argon Gap/4mm Clear with Sungate 500
4PALGy/14Ar/4S500	4mm Grey (PAL) /14mm Argon Gap/4mm Clear with Sungate 500
4EcAd/12/4LE	6mm Eclipse Advantage Clear/12mm Air Gap/4mm Energy Advantage Low-E
4SlrE/14/4LE	6mm Solar E/12mm Air Gap/4mm Energy Advantage Low-E