

# 2014 WERS Certified Products Directory - AFRC



## NOTES

1.  $U_w$  is the whole window U-value
2. SHGC<sub>w</sub> 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.m<sup>2</sup> at a positive pressure difference of 75 Pa as measured according to AS 2047
8. Static performance ( $U_w$  SHGC<sub>w</sub>  $T_{vw}$   $T_{dw}$ ) calculated using Window 6.3 and Therm 6.3 software (LBNL), 1999-2010
9. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (AccuRate) according to procedures of WERS 2008.
10. Results disclosed at Australian Fenestration Rating Council (AFRC) regulations.

<b>Magnetite - Australia</b>				<b>Cool</b>	<b>Heat</b>					
Updated – Feb -14				<b>%</b>	<b>%</b>	<b>Total Window - AFRC</b>				
<b>Window ID</b>	<b>Glazing</b>	<b>Cooling Stars</b>	<b>Heating Stars</b>			<b>Uw</b>	<b>SHGC</b>	<b>Tvw</b>	<b>Air Inf.</b>	
<b>Magnetite Retrofit Double Glazing System on Generic Aluminium Window</b>										
MAG-003-07	<a href="#">3R20S/68/4.5MagAcrl</a>	★★★★★☆	★★★★☆	71%	33%	2.9	0.19	0.2	0.5	
MAG-003-08	<a href="#">3NS18/68/4.5MagAcrl</a>	★★★★★	★★★★★	65%	38%	2.9	0.29	0.13	0.5	
MAG-003-10	<a href="#">3Clr/68/4.5MagAcrl</a>	★★	★★★★★☆☆	35%	58%	2.9	0.67	0.73	0.5	
<b>Magnetite Retrofit Double Glazing System on Generic Timber Window</b>										
MAG-005-07	<a href="#">3R20S/68/4.5MagAcrl</a>	★★★★★	★★★★★	74%	37%	2.4	0.19	0.2	0.5	
MAG-005-08	<a href="#">3NS18/68/4.5MagAcrl</a>	★★★★★	★★★★★☆☆	67%	42%	2.5	0.28	0.13	0.5	
MAG-005-10	<a href="#">3Clr/68/4.5MagAcrl</a>	★★★☆☆	★★★★★☆☆	39%	62%	2.5	0.66	0.71	0.5	
MAG-005-23	<a href="#">3ELEP35/40/4.5MagAcrl</a>	★★★★★	★★★★★☆☆	76%	45%	1.8	0.2	0.28	0.5	