



## RAINWATER TANK SIZE SELECTION TABLE

### Percentage of time rainwater tank will meet full domestic daily demand at KAROONDA (Average Annual Rainfall – 343 mm)

#### HOW TO USE THIS TABLE

- STEP 1** Identify proposed **roof area**.
- STEP 2** Identify **Rainwater Use Option**.
- STEP 3** Identify **tank capacity**.
- STEP 4** Identify the category (colour code) the roof area, rainwater use option and tank capacity combination fall within.
- STEP 5** Refer to **Legend**.
- STEP 6** (if required) Select larger roof area (if possible), alternative rainwater use option and/or larger tank capacity and repeat STEPS 1 to 5.

#### NOTES

- 1 For all options within the orange (16 - 50%) and yellow (51 - 75%) range, it is recommended that the following variations to your proposal be considered to maximise the value of your rainwater tank selection:-
  - increase the roof area to be connected to the rainwater tank, if possible;
  - select a larger tank; and/or
  - change to water use efficient devices within the home, eg front loading washing machine (can save up to 20% of average daily water demand per household).
- 2 This "Rainwater Tank Size Selection Table" should be read in conjunction with the Board's "Rainwater Tank Use Information Sheet".
- 3 This "Rainwater Tank Size Selection Table" DOES NOT ALLOW FOR WATER STORAGE FOR FIRE FIGHTING REQUIREMENTS.
- 4 The internal water use estimates are based upon a 3 person household.
- 5 For advice beyond the scope of this table (eg tanks smaller than 13,500L or larger than 45,000L) please contact the SA Murray-Darling Basin NRM Board on Ph: 8532 1432.

Rainwater Use Option		High internal use			Medium internal use 1			Medium internal use 2			Low grade uses			
<b>Description</b>		11L single flush toilet, 100% laundry ( front load WM) & HWS			(6/3L) Dual flush toilet, AAA-rated shower head, 100% laundry (top load WM) & HWS			(6/3L) Dual flush toilet, AAA-rated shower head, 100% laundry (front load WM) & HWS			(6/3L) Dual flush toilet and 100% laundry (front load WM) <u>only</u>			
<b>Tank capacity (L)</b>		13,500	22,000	45,000	13,500	22,000	45,000	13,500	22,000	45,000	1,000	13,500	22,000	45,000
<b>Roof area to be connected to rainwater tank (m<sup>2</sup>)</b>	<b>50</b>	5%	5%	5%	9%	9%	9%	14%	14%	14%	33%	36%	36%	36%
	<b>100</b>	16%	16%	16%	26%	26%	26%	36%	36%	36%	53%	80%	80%	80%
	<b>150</b>	27%	27%	27%	43%	43%	43%	58%	58%	58%	62%	98%	99%	99%
	<b>200</b>	39%	39%	39%	60%	60%	60%	77%	78%	78%	67%	99%	99%	99%

#### LEGEND

Category	Effectiveness of chosen roof area and tank capacity to meet full domestic daily demand	Recommendation
	Rainwater tank will meet full daily demand 0 – 15 % of the time.	Not recommended
	Rainwater tank will meet full daily demand 16 – 50% of the time.	Satisfactory, but alternative recommended for the intended use (refer to Note 1).
	Rainwater tank will meet full daily demand 51 – 75% of the time.	Satisfactory, but alternative recommended for the intended use (refer to Note 1).
	Rainwater tank will meet full daily demand 76 – 90% of the time.	Recommended – Roof area and tank capacity selected are suitable for the intended use.
	Rainwater tank will meet full daily demand 91 - 100% of the time.	Highly recommended – Roof area and tank capacity selected are suitable for the intended use.

#### Acronyms

HWS Hot water service  
 WM Washing machine  
 WC Toilet