

## LENGTH OF FLATBED REQUIRED SUBJECT TO SOIL TYPE & APPLICATION

In accord with the Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulation 1974

SOIL TYPE	RESIDENTIAL DWELLING, NUMBER OF BEDROOMS			COMMERCIAL
	2 OR LESS	3	4 OR MORE	
Sand	2 x 4m	2 x 5.5m	2 x 6m	Hydraulic Loading (L/day) ÷ 30 ÷ *IA
Loams or Gravels	2 x 6m	2 x 8m	2 x 9m	Hydraulic Loading (L/day) ÷ 20 ÷ *IA
Other	To be calculated based on infiltration rates recommended in AS/NZS 1547			

\*IA = 2.4 m<sup>2</sup>/m for Flatbed Leach Drain

### SAND SOIL TYPE

NUMBER OF BEDROOMS	MINIMUM INFILTRATIVE AREA REQUIRED (m <sup>2</sup> )	FLATBED (IA = 2.4)	RAINSMART L (IA = 1.28)	RAINSMART W (IA = 1.6)	CONCRETE (IA = 1.58)
2 OR LESS	18.8	2 x 4m	2 x 7.5m	2 x 6m	2 x 6m
3	25.4	2 x 5.5m	2 x 10m	2 x 8m	2 x 8m
4 OR MORE	27.6	2 x 6m	2 x 11m	2 x 9m	2 x 9m

### LOAM AND/OR GRAVEL SOIL TYPE

NUMBER OF BEDROOMS	MINIMUM INFILTRATIVE AREA REQUIRED (m <sup>2</sup> )	FLATBED (IA = 2.4)	RAINSMART L (IA = 1.28)	RAINSMART W (IA = 1.6)	CONCRETE (IA = 1.58)
2 OR LESS	28.2	2 x 6m	2 x 11m	2 x 9m	2 x 9m
3	38.1	2 x 8m	2 x 15m	2 x 12m	2 x 12m
4 OR MORE	41.5	2 x 9m	2 x 16.5m	2 x 13m	2 x 13m

