

## DGB20 & DGS20 – CRUSHED CONCRETE

### 1. PRICE ADVANTAGE

ACT Recyclings DGB20 & DGS20 has a significant price advantage over the equivalent quarry product that can save you big dollars.

### 2. WET WEATHER APPLICATION

No clay fines are used in DGB20 & DGS20 allowing it to handle damp conditions better than any other product available. Poor weather will no longer cause delays to your projects.

### 3. ENVIRONMENTAL BENEFITS

By using recycled products such as DGB20 & DGS20 (recycled concrete products) you are contributing to a more sustainable construction industry. Recycled concrete products have a carbon footprint 65% less than equivalent quarry products. In addition to this you are adding credibility to your project and complying with Green Star ratings.

### COMMON APPLICATIONS

DGB20 & DGS20 can be used underside of pavement, hard stand areas, under concrete slabs, bedding material and backfilling, and some trafficked areas.

### COMPOSITION

Concrete

Product Specification – DGB20 & DGS20				
Test Method	Description	DGB20 Material Requirements	DGS20 Material Requirements	Test Results for Recycled DGS20
AS 1289.3.6.1	% passing 26.5mm sieve	100	100	100
	% passing 19.00mm sieve	95-100	95-100	98
	% passing 13.2mm sieve	-	70-90	82
	% passing 9.5mm sieve	-	-	66
	% passing 6.7mm sieve	50-70	45-70	54
	% passing 4.75mm sieve	-	-	45
	% passing 2.36mm sieve	35-55	30-55	32
	% passing 0.425mm sieve	-	-	12
AS 1289.3.6.3	A. <u>Pass 425µm sieve %</u> Pass 2.56mm sieve	35-55	35-55	
	B. <u>Pass 75µm sieve %</u> Pass 425µm sieve	35-55	35-55	
	C. <u>Pass 13.5µm sieve %</u> Pass 75µm sieve	35-60	35-60	
AS 1289.3.1.1	Liquid Limit	Max 23	Max 27	
AS 1289.3.3.1	Plastic Limit	Max 20	Max 20	
AS 1289.3.3.1	Plasticity Index	Max6	Max 12	

AS 1141.22	Aggregate Wet Strength - Trench backfill generally - Under road pavement	Min 60kN 60kN	Min 50kN 80kN	<b>108kN</b> <b>108kN</b>
AS 1141.22	Wet/Dry Strength Variation Dry/Wet as a percentage dry - Trench backfill generally - Under road pavement	Max 35 Max 35	Max 60 Max 40	<b>35</b> <b>35</b>
AS 1141.36	Total Sulphur Content: % S by mass	Max 0.05	Max 0.05	
AS 1289.4.2.1	Water Soluble Sulphur Content: %SO <sub>4</sub> by mass	Max 0.10	Max 0.10	
RTA T276	Foreign Material Type: High density materials such as mortar, metal, glass, asphalt. Low density materials such as plastic, brick, plaster, clay lumps and other friable. Wood and other vegetable or decomposable matter.	Max allowable %  3.0%  1.0%  0.2%	Max allowable %  3.0%  1.0%  0.2%	<b>0.4%</b>  <b>0.0%</b>  <b>0.1%</b>