

# CLASS 4 CRUSHED CONCRETE



Alex Fraser's 20mm Class 4 Crushed Concrete is a popular recycled product that is easy to compact and trim. There are sound reasons for using Alex Fraser's 20mm Class 4 Crushed Concrete on your next project.

Alex Fraser's 20mm Class 4 Crushed Concrete is used for lower sub-base and capping works in road construction, base layers in commercial site works, pipe bedding and backfill, hardstands in heavy industrial applications, driveway and footpath reinstatement, waffle pod and slab preparations. This product may also be used instead of a B Grade or Non-Descriptive Crushed Rock (NDCR) product and in many cases can be used as a Type A fill material subject to permeability requirements.

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## VicRoads approved

Alex Fraser's 20mm Class 4 Crushed Concrete product has been approved and registered with VicRoads as a mix design under a conditional mix registration status and in accordance with VicRoads Code of Practice RC500.02. The product complies with the physical properties of Class 4 Crushed Concrete outlined in Table 820.041 in Section 820 of the VicRoads specifications. We also undertake independent tests in NATA accredited laboratories to ensure the highest standards are met.



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## Price advantage

Alex Fraser's recycled concrete products have a significant density advantage that can save you big \$\$\$\$. Our product is lighter than our competitors' quarry materials which means you can cover more ground with fewer tonnes. When you use less, it costs less in initial product costs as well as transport costs. Take the Density Advantage Challenge today – most of our customers save up to 10%.



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## Reliable supply

Alex Fraser's dependable supply and transport network can help reduce downtime. Our high volume pugmills can produce wet mix or stabilised material at 500 tonnes per hour. This is backed by a modern transport fleet that delivers direct to your site. This strong back-up support can help you and your crew get the job done.

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## Wet weather application

Unlike crushed rock, Alex Fraser's 20mm Class 4 Crushed Concrete has a lower plasticity than most Class 4 or Type A or B quarry products, allowing it to better handle damp conditions. Don't allow poor weather conditions to cause delays; Alex Fraser's 20mm Class 4 Crushed Concrete can save you time and money – without compromising the result.

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## Environmental benefits

Alex Fraser's recycled concrete products have a carbon footprint 65% less than equivalent quarry products. By using recycled product you are also helping to reduce landfill and preserving our natural resources. So, for the same price or less, you can do your bit for the environment as well. You might be surprised at the additional credibility your project can gain by using recycled materials.

## Major projects

Alex Fraser's 20mm Class 4 Crushed Concrete material has been used on a range of major industrial and drainage bedding and backfill projects as well as on Eastlink where it was used as a sub-base capping layer in the road pavement design.

**For sales and advice call 136 135**



# Technical Information Sheet CLASS 4 CRUSHED CONCRETE

Application	Road base material, hard stand areas, under concrete slabs, bedding material and backfilling
Available	Dry or wet mix
Loose Density (natural) (approx)	1.55 t/m3
Maximum Dry Density (approx)	1.99 t/m3
Optimum Moisture Content (approx)	11.5%
Colour	Red/Grey/Black
Nominal Size	20mm

## Composition includes:

Concrete, brick, asphalt and rock, and may include up to 50% brick content and 20% asphalt content. There is no limit on the amount of concrete in the product. Composition is in accordance with VicRoads specifications and Alex Fraser's mix designs registered with VicRoads.

## Particle size:

Can also be produced to 40mm on request.

Foreign Material Type	20mm Class 4 Max Allowable %
High density materials such as metal and glass	5
Low density materials such as plastic, rubber, plaster, clay lumps and other friable material	3
Wood and other vegetable or decomposable matter	0.5
Brick	50
Asphalt	20

20mm Test Value Before Compaction	
Sieve Size AS (mm)	20mm Class 4 Limits of Grading (% Passing by Mass)
26.5	100
19.0	-
9.5	-
4.75	42-76
0.425	10-28
0.075	2-14

Test	Class 4 Test Value
Liquid Limit (%) (max)	40
Plasticity Index (max)	20
California Bearing Ratio (%) (min)	20
Los Angeles Abrasion Loss (max)	45
Flakiness Index (%) (max)	-

## TAKE THE DENSITY ADVANTAGE CHALLENGE TODAY. COMPARE AND CALCULATE YOUR COST SAVINGS.

Supplier	Product	Material Volume m3	Approx Wet Density	Quoted Price	Approx Total Cost \$
Alex Fraser	Class 4 Crushed Concrete	m3	t/m3		
Alternate Supplier	Class 4 Crushed Rock	m3	t/m3		

Also available on our website: [www.alexfraser.com.au/calc.php](http://www.alexfraser.com.au/calc.php)



## Recycling facilities

**LAVERTON:** 9-19 Alex Fraser Drive, Laverton North VIC 3026 (Melways 39 D12)

**EPPING:** 445-475 Cooper Street, Epping VIC 3076 (Melways 88 D1)

**CLARINDA:** 275-315 Kingston Road, Clarinda VIC 3169 (Melways 78 K11)

**Fax:** (03) 9371 8150

**Email:** [sales@alexfraser.com.au](mailto:sales@alexfraser.com.au)

**Web:** [www.alexfraser.com.au](http://www.alexfraser.com.au)



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