

## Builders Mix - BM10 and BM20

The McCallum Bros. Ltd builders mix has been designed for use in the commercial and residential ready mix market in New Zealand.

It is in use by a number of groups from civil contractors, builders and home handymen.

The aggregates for our BM10 and BM20 are pre-mixed according to typical proportions which would be used in a ready mixed concrete plant. This ensures that customers are receiving a consistent product specifically designed for making high quality concrete.



Our builders mix has been designed to make concrete ranging in strength from 17.5mpa up to 30mpa depending upon individual site requirements. The below are some recommended typical mix design guidelines.

### **BM20** (20mm builders mix)

One cubic meter of BM20 will make approximately 0.8 cubic meters of concrete.

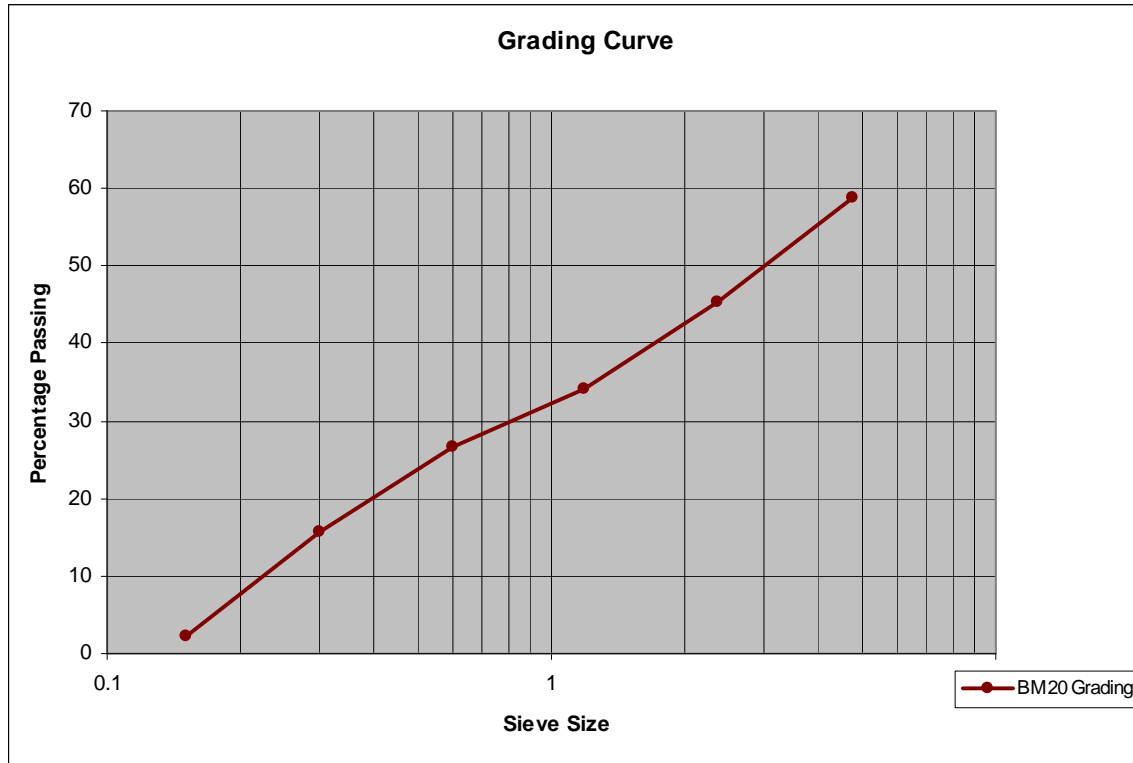
Target strength required (MPa)	BM20 (kg)	Cement (kg)	Water (kg)
17.5	1560	200	110
20	1560	210	110
25	1560	235	111
30	1560	250	111

**Note:** The above is a guide only and concrete mix ratios could change depending upon the quality of the cement being utilized to make the final mix. All mixes are based on a moisture content of 7% (medium) for the sand and aggregates. Admixtures have not been included as they vary depending on final use.

For higher specification applications, McCallum Bros. Ltd can supply specific data and concrete mixes in bag or bulk form. It is recommended that the user consults with a certified concrete engineer before mixing any large volume of concrete mix for a commercial application.

## Grading Curve

Grading curves for our BM20 are attached below



Sample taken 22 August 2008

### Delivery and Availability:

Builders mix is available in bulk delivery volumes on a daily basis in the Auckland region. Barge services are available for deliveries in the upper north island and Hauraki Gulf. Smaller deliveries are available in palletized one tonne bags by arrangement.

For further information call 0800 RED ROCK.