

Technical Data Sheet Flat Top Quarry

Basecourse Aggregate

Quarry Source Rock: Andesite (Basaltic origins)

| Source Rock Characteristics | Test Method | Value |
|-----------------------------|-------------------------|--------------------------|
| Crushing Resistance | NZS4407:1991 test 3.10 | @ 130kN < 10% |
| Weathering Resistance | NZS 4407:1991 test 3.11 | CC |
| Solid Density | NZS4407:1991 3.7.1 | > 2700 kg/m ³ |

Manufactured General All Passing Aggregate (GAP25/40/65/100)

| Test | Test Method | Value |
|-----------------------|-------------------------|-------------------------|
| Max Dry Density | NZS4402:1986 test 4.1.3 | > 2.10 T/m ³ |
| Optimum Water Content | | 8% -14% |

Coarse Aggregate

| Product | SE | 106mm | 63.0mm | 37.5mm | 19.0mm | 9.5mm | 4.75mm | 2.36mm | 0.075mm |
|---------|-----|-------|--------------|--------------|--------------|--------------|--------------|--------------|---------|
| SUB100 | >25 | 100% | 90% - 70% | 80% - 55% | 65% - 45% | 45% - 30% | 35% - 15% | 25% - 5% | < 10% |
| GAP 65 | >25 | | 100% | 90% - 70% | 70% - 50% | 55% - 30% | 40% - 20% | 30% - 15% | < 10% |
| GAP40 | >25 | | | 100% | 85% - 65% | 65% - 40% | 45% - 25% | 35% - 20% | < 10% |
| GAP25 | >25 | | | | 100% | 80%- 65% | 40% - 60% | 40% - 30% | < 12 |

Drainage Aggregate

Flattop Quarry Source Rock: Andesite (Basaltic origins)

Drainage Aggregate (20/40/65)

| Product | 63.0mm | 37.5mm | 19.0mm | 13.2mm | 9.5mm | 4.75mm |
|-------------|--------|---------------|---------------|--------------|-------------|--------|
| Drainage 65 | 100% | 50% - 30% | 50% - 0% | <10% | 0% | |
| Drainage 40 | 100% | 100% - 90% | 25% - 5% | <10% | 0% | |
| Drainage 20 | | 100% | 100% - 90% | 60% - 40% | 25% - 5% | <10% |

All testing carried out at an IANZ accredited laboratory. Test results available upon request. All results correct at time of publication, July 2012.