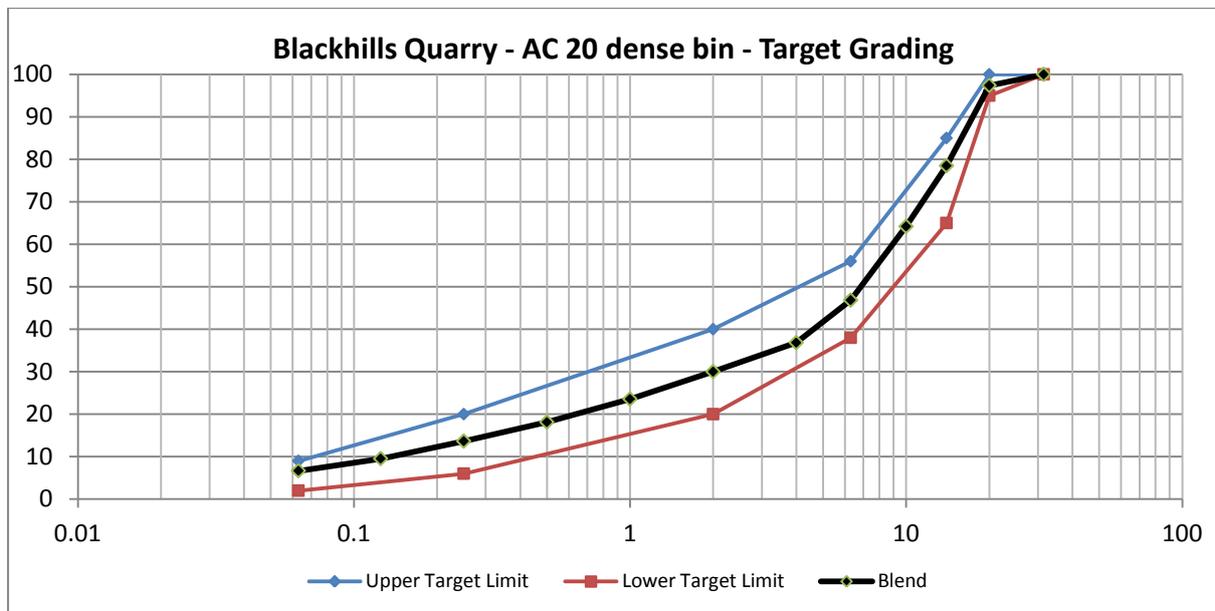


Blackhills Quarry – Performance Testing

Mix Designation: AC 20 dense bin des
Plant: Blackhills Quarry, Aberdeen.
Coarse Aggregate Source: Blackhills Quarry, Aberdeen.
Fine Aggregate Source: Blackhills Quarry, Aberdeen.
Filler: Reclaimed Filler

Leiths Technical Services has carried out testing on the above mix to determine the stiffness properties. Specimens were prepared as follows:

No. of Gyration: 120
 Height of Specimen: 80mm
 Mixing Temperature: 40/60 – 155 to 165°C, Endura Z2 – 175 to 185°C
 Compaction Temperature: 40/60 – 140 to 150°C, Endura Z2 – 155 to 165°C



Air void content was determined by Leiths Technical Services, in accordance with BS EN 12697 – 5: 2009: Procedure C (Mathematical) and ITSM results were determined by Nynas AB UK at Ellesmere Port.

Mix Designation	Binder Description	Binder Content (%)	Air Voids Average (%)	ITSM Average (MPa)
AC 20 dense bin 40/60 des	Nynas 40/60	4.5	4.7	5366
AC 20 dense bin Endura Z2 des	Nynas Endura Z2	4.5	3.9	8215

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