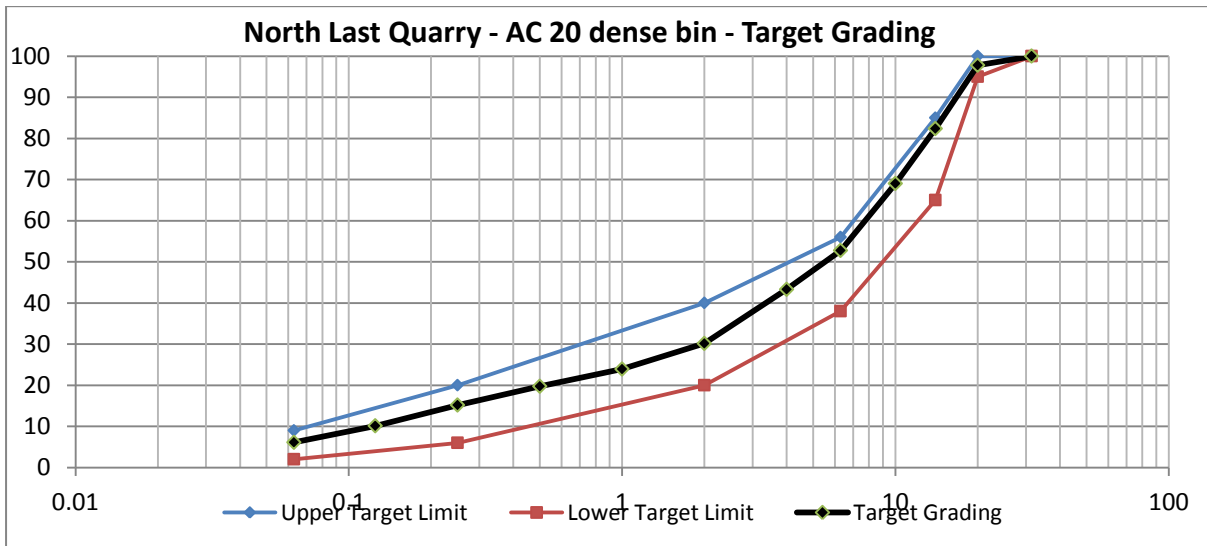


**North Last Quarry – Performance Testing**

**Mix Designation:** AC 20 dense bin des  
**Plant:** North Last Quarry, Aberdeen.  
**Coarse Aggregate Source:** North Last Quarry, Aberdeen.  
**Fine Aggregate Source:** North Last 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	5.0	5640
AC 20 dense bin Endura Z2 des	Nynas Endura Z2	4.5	5.3	8363

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