Product Specification:
Wallan Concrete Pre-Mixed Concrete – 20 MPa, 20mm Maximum Agg. Size

PRODUCT CODE: 120-N2020   **NOMINAL STRENGTH:** 20 MPa   **GRADE DESIGNATION:** N20

CUSTOMER: Standard Product

REFERENCE: AS1379 – *Specification and Supply of Concrete*

Compliance Requirements for Product Constituents

Constituent	Compliant With	Constituent	Compliant With
20mm SS Agg	AS 2758.1	Mixing Water	AS 1379.2.4
14/10 Class GP Agg	AS 2758.1	Chemical Admixtures	AS 1487
Coarse Sand	AS 2758.1	Fly Ash	AS 3582.1
Fine Sand	AS 2758.1	Slag	AS 3582.2
GP Cement	AS 3972	Batch Ingredients Tolerances	AS 1379.4.2

Tests Carried Out On Concrete For Production Control (Associated Grade)

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	AS1012.1	AS1012.3.1	1 Per Strength Sample 1 per 100m^3	As per AS1379: Table 5.1	AS1379.5.2
28-day Strength	AS1012.1	AS1012.9	1 per 100m^3 (2 cylinders)	Mean (f_{cm}) ≥ f'_c + $k_c s$	AS1379.6.3
7-day Strength	AS1012.1	AS1012.9	1 per 100m^3 (1 cylinder)	Mean for production interval ≥ 9MPa	AS1379.5.7
Air Content	AS1012.1	AS1012.4.1	On Establishment of Mix Design	±1.5% of Mix Design Air Content	AS1379.5.4
Mass Per Unit Volume	AS 1012.1	AS1012.5	On Establishment of Mix Design	≥ 98% Specified Volume	AS1379.1.7.2

Tests Carried Out on Water

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Sugar	AS/NZS 5667.10	AS1141.35	1 per 6 months	≤100mg/L	AS1379.2.4
Oil and Grease	AS/NZS 5667.10	APHA 5520	1 per 6 months	≤50mg/L	AS1379.2.4
pH	AS/NZS 5667.10	AS/NZS 1580.505.1	1 per 6 months	>5.0	AS1379.2.4
Total Dissolved Solids	AS/NZS 5667.10	AS3550.4	1 per 6 months	≤2000mg/L	AS1379.2.4