

Product Specification:

Wim Mix Pre-Mixed Concrete – 45 MPa, 20mm Maximum Agg. Size

PRODUCT CODE: 110-109-m **NOMINAL STRENGTH:** 45 MPa **GRADE DESIGNATION:** S45

CUSTOMER: Standard Product

REFERENCE: AS1379 – *Specification and Supply of Concrete*

| Compliance Requirements for Product Constituents | |
|--|----------------|
| Constituent | Compliant With |
| 20mm SS Agg | AS 2758.1 |
| 10mm SS Agg | AS 2758.1 |
| Coarse Sand | AS 2758.1 |
| Fine Sand | AS 2758.1 |
| GP Cement | AS 3972 |
| Mixing Water | AS 1379 |
| Chemical Admixtures | AS 1487 |

| Tests Carried Out For Production Control (Associated Grade) | | | | | |
|---|---------------|-------------|---|---|------------|
| Test | Sample Method | Test Method | Frequency | Requirements | Reference |
| Slump | AS1012.1 | AS1012.3 | 1 per 100m ³ | As per AS1379: Table 6 | AS1379.5.2 |
| 28-day Strength | AS1012.1 | AS1012.9 | 1 per 100m ³ (2 cylinders) | Mean (f_{cm}) $\geq f_c + k_{cs}$ 95% of results ≥ 45 MPa | N/A |
| 7-day Strength | AS1012.1 | AS1012.9 | 1 per 100m ³ | Mean for production interval ≥ 23 MPa | N/A |
| Air Content | AS1012.1 | AS1012.4.2 | On every second strength sample as required by customer | $\pm 1.5\%$ of customer's specified air content | AS1379.5.4 |

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