PART CC26

NORMAL CLASS CONCRETE

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GENERAL

This Part specifies the requirements for the supply and placement of normal class concrete N20, N25 and N32. Refer to Parts CC20 “Supply of Concrete” and CC25 “Placement of Concrete” for other grades of normal class concrete and for special class concrete.

Any reinforcing must comply with Part CC05 “Steel Reinforcement”.

Documents referenced in this Part are listed below:

AS 1379 The Specification and Supply of Concrete

AS 3600 Concrete Structures

AS 9001 Quality management systems – Requirements

HB64 Guide to Concrete Construction (joint publication of the Cement and Concrete Association of Australia and Standards Australia)

CONCRETE PRODUCTION

Concrete and its constituent materials must be supplied and tested in accordance with AS 1379. The concrete plant must operate under a quality system in accordance with AS 9001.

Unless specified otherwise:

the concrete must be subject to production assessment in accordance with Clause 6.3 “Production Assessment” of AS 1379;

the maximum slump at the point of acceptance is 100 mm;

the maximum aggregate size is 20 mm; and

air entrainment is not required.

For each load of concrete supplied, the Contractor must supply an identification certificate in accordance with Clause 1.7. 3 “Identification Certificate” of AS 1379.

The Contractor must ensure that production assessment reports are available in accordance with Clause 6.4.2 “Reports for Production Assessment” of AS 1379.

CONCRETE PLACEMENT

Concrete must be transported, handled, placed, compacted, finished and cured in accordance with Section 17 “Material and Construction Requirements” of AS 3600, using the recommended processes described in HB64. Hand mixing is not permitted.

Concrete at the acceptance point must have a temperature not less than 5°C nor greater than 35°C (refer AS 1379, Clause 4.4.2). Concreting in the open must not be carried out during adverse conditions, such as rain, wind, dust or bushfires.

RECORDS

The Contractor must supply the following records:

| **CLAUSE REF.** | **SUBJECT** | **RECORD TO BE PROVIDED** |
| --- | --- | --- |
| 2 | Concrete Delivery Information | Identification certificates in accordance with AS 1379: Clause 1.7. 3 “Identification Certificate”  |

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