

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 2758.1:2014
Aggregates and rock for engineering purposes
Part 1: Concrete aggregates

REVISED TEXT

The 2014 edition of AS 2758.1 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to inside front cover, Clauses 3, 14.3.2 and 14.3.3.

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Inside front cover

In the list of the Committee Representatives, *delete* 'Australasian Railway Association' and *replace* with 'Rail Industry Safety and Standards Board'.

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Clause 3

Delete the designation and method title for AS 1012.20, and *replace* with the following:

- | | | |
|-----------|--------------|---|
| 1012.20.1 | Method 20.1: | Determination of chloride and sulfate in hardened concrete and aggregates—Nitric acid extraction method |
| 1012.20.2 | Method 20.2: | Determination of water-soluble chloride in aggregates and hardened concrete |
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Clause 14.3.2

Delete the Clause (including Notes) and *replace* with the following:

14.3.2 Chlorides

The chloride ion content of aggregates shall be determined either in accordance with AS 1012.20.1 or AS 1012.20.2.

The chloride ion content of aggregates determined quantitatively in accordance with AS 1012.20.1 shall be reported if in excess of 0.01%.

NOTE: A combination of aggregates where the total chloride salt content (expressed as Cl^-) as determined in accordance with AS 1012.20.1, exceeds 0.04% should not be used in reinforced concrete. A combination of aggregates where the total chloride salt content exceeds 0.15% should not be used in plain concrete.

The chloride ion content of aggregates determined quantitatively in accordance with AS 1012.20.2 shall be reported if in excess of 0.008%.

NOTE: Water-soluble chlorides in aggregates are more relevant to the corrosion of the reinforcement. When measured in accordance with AS 1012.20.2, a combination of aggregates where the water-soluble chloride salt content (expressed as Cl^-) exceeds 0.03% should not be used in reinforced concrete. A combination of aggregates where the water-soluble chloride salt content exceeds 0.12% should not be used in plain concrete.

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Clause 14.3.3

In the Clause text and the Note, *delete* 'AS 1012.20' and *replace* with 'AS 1012.20.1'.
