

Australian Standard®

AS 1141.54:2018

Methods for sampling and testing aggregates

Method 54: Foreign material in crushed recycled concrete for use in pavements

1 SCOPE

This Standard sets out the method for determining by visual examination the amount of foreign material in coarse aggregate produced from recycled concrete aggregate.

The method is appropriate for material up to 75 mm nominal size and tests that fraction of the material retained on the 4.75 mm sieve.

WARNING: CRUSHED CONCRETE AGGREGATE HAS BEEN KNOWN TO BE CONTAMINATED WITH ASBESTOS. WHEN SAMPLING FROM STOCKPILES OR PREPARING SAMPLES IN THE LABORATORY, THE CRUSHED AGGREGATE SHOULD BE DAMP TO PREVENT GENERATING AIRBORNE DUSTS.

ON EXAMINATION, IF FIBROUS INORGANIC MATERIAL IS REVEALED OR IF THE AGGREGATE CONTAINS FLAT OR CURVED PARTICLES CLEARLY OF A MANUFACTURED ORIGIN (THAT IS SHEET OR PIPE FRAGMENTS) SAMPLING OR TESTING SHOULD BE SUSPENDED.

ANY SAMPLE AND SAMPLE CONTAINERS SHOULD BE SEALED INTO HEAVY DUTY PLASTIC BAGS WITH MINIMAL ADDITIONAL HANDLING AND THE SAMPLES DEALT WITH IN ACCORDANCE WITH APPROPRIATE WORK, HEALTH AND SAFETY STANDARDS.

2 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard.

AS

1141	Methods for sampling and testing aggregates
1141.1	Part 1: Definitions
1141.2	Method 2: Basic testing equipment
1141.3.1	Method 3.1: Sampling—Aggregates
1141.11.1	Method 11.1: Particle size distribution—Sieving method

3 DEFINITIONS

For the purpose of this Standard, the definitions in AS 1141.1 and the one below apply.

3.1 Foreign material

Any crushed material other than crushed concrete or any contaminant introduced during the demolition and crushing process.