

COMMENTARY TO AG:PT/T051 - AVERAGE LEAST DIMENSION OF AGGREGATE BY DIRECT MEASUREMENT (NOMINAL SIZE 10 MM AND GREATER)

PREFACE

This Test Method is endorsed by the Bituminous Surfacing Research Review Group on behalf of the Austroads Pavement Technology Review Panel. Representatives of Austroads, ARRB Group, the Australian Asphalt Pavement Association and Industry have been involved in the review of this test method and recommend its use in the design of sprayed seals using the Austroads Provisional Spray Seal Design Method – Revision 2000.

FOREWORD

Asphalt characterisation tests require specimens of uniform composition that are representative of materials placed in the road. Criteria include uniformity of density and particle distribution, particle orientation consistent with insitu materials, and absence of undue change in particle size distribution due to the compaction process. This method has been prepared to particularly support those characterisation tests that require asphalt slab specimens, although it may also be used for preparation of cylindrical specimens obtained by coring the completed slab.

SCOPE

This Standard sets out the method for determining the Average Least Dimension (ALD) of aggregate particles by the use of vernier callipers or dial gauge or a slotted gauge. The method is applicable to aggregate of nominal size 10 mm and greater for sprayed bituminous surfacing.

The method is identical with the procedure as described in Australian Standard AS 1141.20.1 Methods for sampling and testing aggregates, Method 20.1: Average Least Dimension – Direct Measurement (nominal size 10 mm and greater).

Further Development

None.

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1 REFERENCED DOCUMENTS

The following documents are referred to in this method:

AS /NZS

1141.20.1 Methods for sampling and testing aggregates, Method 20.1: Average Least Dimension – Direct Measurement (nominal size 10 mm and greater)

Procedure and Reporting

See AS 1141.20.1

AMENDMENT RECORD

Amendment No.	Clauses amended	Action	Date
1	Commentary Page	New	June 2005
	Footer and header	Format	
	Applied revised test method number	Format	
	Applied new styles	Format	

Key

Format	Change in format
Substitution	Old clause removed and replaced with new clause
New	Insertion of new clause
Removed	Old clauses removed