

Australian Standard®

AS 4040.3:2018

Methods of testing sheet roof and wall cladding

Method 3: Resistance to wind pressures for cyclone regions

METHOD

1 SCOPE

This Standard sets out methods for determining the resistance of sheet roof and wall cladding to wind pressures for cyclone regions.

The test procedure for cladding systems to be used only in wall applications is given in Clause 6. The test procedure for cladding systems to be used in roof or wall applications is given in Clause 7.

2 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard:

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

AS

- 4040 Methods of testing sheet roof and wall cladding
- 4040.0 Part 0: Introduction, list of methods and general requirements
- 4055 Wind loads for housing

AS/NZS

- 1170 Structural design actions
- 1170.2 Part 2: Wind actions

3 PRINCIPLE

A simulation of the loading resulting from cyclonic wind pressure is applied to the test specimen to determine the deflections of the cladding and the performance of the fastenings.

Where cladding systems are to be used in roof applications, the test procedure is defined in Clause 7.

Where cladding systems are to be used in wall applications only, the test procedure is defined in Clause 6 or Clause 7.

4 APPARATUS

4.1 Supporting structure

The supporting structure shall be as specified in AS 4040.0.