

ASTM C364 / C364M TESTING FIXTURE

EDGEWISE COMPRESSIVE STRENGTH OF SANDWICH CONSTRUCTIONS



ASTM C364 / C364M Testing Fixture - Application

The edgewise compressive strength of short sandwich construction specimens shall determine the load-carrying capacity of the construction in terms of developed facing stress. This is a standard method of obtaining sandwich edgewise compressive strengths for panel design properties, material specifications, research and development applications, and quality assurance.

The request of items, for the reporting section, that can influence edgewise compressive strength to be reported ; these include materials, fabrication method, facesheet lay-up orientation (if composite), core orientation, results of any nondestructive inspections, specimen preparation, specimen dimensions and associated measurement accuracy, speed of testing, failure mode, and failure location.

This test method covers the compressive properties of structural sandwich construction in a direction parallel to the sandwich facing plane.

The values are stated in either SI units or inch-pound units and the text the inch-pound units shown in bracket. Each system must be used independently of the other. In fact, combining values from the two systems may result in nonconformance with the standard.

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