



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुरशाह जफर मार्ग नई, दिल्ली-110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002

Phones: 23230131 / 23233375 / 23239402

Website: www.bis.org.in, www.bis.gov.in

Review Document

Basic Details

1.	Sectional Committee No. & Title:	TED 14 - Air and Space Vehicles Sectional Committee
2.	IS No :	IS 11649 : Part 2 : 1986
3.	Title :	Specification for aluminium honeycomb sandwich panels for civil aircraft floors: Part 2 methods of tests
4.	Date of Previous Review:	May, 2017

Review Analysis

5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

S.No.	Standard (No.)	Standard (Title)	Whether the standard has since been revised	Major changes	Action proposed
1	Not Applicable	ADE/PR(1)/80-40 Aircraft floor panels, March 1981	Not Applicable	Not Applicable	None
2	IS : 11649 (Part 1)- 1986	Specification for aluminium honeycomb sandwich panel for civil aircraft floors: Part 1 General design criteria	The Standard is under review	The Standard is under review	None
3	Not Applicable	Fokker bond tests operation manual, issued by RNAF, Netherlands	Not Applicable	Not Applicable	None
4	Not Applicable	Test schedule No. TS-06-02-07 issue - carbon fibre sandwich panels for aircraft flooring, 1972 (BCM E Specification)	Not Applicable	Not Applicable	None
5	ASTM-C-393-62	Flexure test of flat sandwich construction	D7250/D7250M-20 Standard Practice for Determining Sandwich Beam Flexural and Shear Stiffness C393/C393M-20 Standard Test Method for Core Shear Properties of Sandwich Constructions by Beam Flexure D7249/D7249M-20 Standard Test Method for Facesheet Properties of Sandwich Constructions by Long Beam Flexure	Not Applicable	None
6	ASTM-C-365-57	Flatwise compressive strength of sandwich cores	ASTM C365/C365M-16 Standard Test Method for Flatwise Compressive Properties of Sandwich Cores	Not Applicable	None
7	ASTM-C-363-57	Delamination strength of honeycomb type of materials	ASTM C363-00 Standard Test Method for Delamination Strength of Honeycomb Core Materials	Not Applicable	None
8	MIL-STD-401 B	Sandwich construction and core materials, General test methods	SAE-AMS-STD-401 Sandwich construction and core materials, General test methods	Not Applicable	None

5.2 Status of standard referred in the IS.

S.No.	Referred standards (No.)	Referred standards (Title)	Since revised IS no. of the corresponding IS	Changes in the referred Standards since last review of IS	Changes in the referred standard which are affecting the standard under review	Action proposed
1	IS 11649(Part1):1986	Specification for aluminium honeycomb sandwich panel for civil aircraft floors: Part 1 General design criteria	IS 11649(Part1):1986	Not Applicable	Not Applicable	None

5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).

S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed
1	N.A.	N.A.	N.A.	N.A.

5.4 Technical comments on the standard received, if any.

S.No.	Source	Clause of IS	Comment	Action proposed
No entry made in this table				

5.5 Information available on relevant technical developments

S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
1	Committee Member	None	Not Applicable	None

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.

S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
1	IS 11649 : Part 1-1986	Specification for aluminium honeycomb sandwich panel for civil aircraft floors: Part 1 general design criteria	The standard is under review	The standard is under review	The IS 11649(Part 2):1986 standard review may be awaited till IS 11649(Part1):1986 has been revised

5.7 Any consequential changes to be considered in other IS.

S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted
1	IS 11649 : Part 1-1986	Specification for aluminium honeycomb sandwich panel for civil aircraft floors: Part 1 general design criteria	Tests methods corresponding to specifications in the IS 11649(Part1):1986

Other Details

6.	Any other observation:	
7.	Upload Supporting Document(s)	

7.1 ARP Report	67_2201211642767346_ARP_Report.pdf
7.2 Draft Document	No Document Uploaded

8.	Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:	<p>The IS 11649(Part 2):1986 standard review may be awaited till IS 11649(Part1):1986 has been revised. For any addition/deletion in ISS 11649(Part 1):1986 after its revision, corresponding test methods may be incorporated in IS 11649(Part 2):1986. Otherwise, IS 11649(Part 2):1986 may be reaffirmed</p>
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