



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)

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Review Document

Basic Details

1.	Sectional Committee No. & Title:	TED 14 - Air and Space Vehicles Sectional Committee
2.	IS No :	IS 11642 : Part 2 : 1986
3.	Title :	Specification for aluminium hexagonal honeycomb core: Part 2 methods of tests
4.	Date of Previous Review:	March, 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	ASTM C 366 : 1967	Test method for measurement of thickness of sandwich cores	ASTM C 366 : 2016	For Disc type thickness tester least count of dial gauge changes to 0.001 from 0.002 mm and the outside dia of ring changes to 115 mm from 120 mm.	Refer to revised current Standard.
2	ASTM C 365-1957	Test method for flatwise compressive strength of sandwich cores	ASTM C 365-2016	Test specimen size specified	ASTM C 365-2016 should be referred in the Revised version of IS 11642 : Part 2.
3	ASTM C 363-1957	test method for delamination strength of honeycomb type core materials	ASTM C 363-2016	a) Set the speed of testing so as to produce failure within 3 to 6 min. The suggested standard head displacement rate is 25 mm/min	ASTM C 363-2016 should be referred in the Revised version of IS 11642 : Part 2.
4	ASTM C 273-1961	Method of shear test in flatwise plane of sandwich construction of sandwich core	ASTM C 273-2016	Test specimen geometry changed	ASTM C 273-2016 should be referred in the Revised version of IS: 11642 : part 2.

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	NA	NA	NA	NA	NA	NA

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	NA	NA	NA	NA

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	Manufacturer (Non-licensee)	Honey comb core aluminium foil grade shall be Al.31000 to IS 737-2008 as per ANX-AZ. Core Size and foil thickness remain same as 06-08-1270 (A1.52000) PT of IS: 11642 (Pt-1) and density shall be 850 N/M ³ 10 instead of 1270 N/M ³ . Hence designation shall be 06-08-850 (A131000). Chemical composition of aluminium foil should be tested as per table 1 of IS: 737-2008 for Al31000.	This may impact cl. 2.1 of IS 11642 : part 1	NA

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
No entry made in this table					

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
No entry made in this table			

Other Details

6.	Any other observation:	There is no major change in the testing methods of ALUMINIUM HEXAGONAL HONEYCOMB CORE. There are some changes in the standards from which reference has been made during formulation of standard.
7.	Upload Supporting Document(s)	

7.1 ARP Report	67_2203061646572703_ARP_Report.docx
7.2 Draft Document	67_2203061646572795_Draft_Document.docx

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:	Revised version of referred standard may be mentioned in IS.
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