

Test Report No. 7191005257-MEC11/02-ATO
dated 13 May 2011

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SUBJECT:

Testing of Access Floor System.

TESTED FOR:

Everest Industries Limited
The Genesis, A-32, Mohan Cooperative Industrial Estate,
Mathura Road, New Delhi 110048, India.

Attn: Mr. Subrata Dutta

TEST METHOD:

BS EN 12825 : 2001 - "Raised Access Floors".

- 5.5 – Dynamic Loading
 - Hard Body Impact test
 - Soft Body Impact test

SAMPLE DESCRIPTION:

The following samples were submitted Everest Industries Limited on 15th April 2010.

- 1) Two access floor panels, claimed to be "Fibre Cement Board Core" material floor panel (Refer to photo. 1 in Appendix). The nominal measured dimensions were 600mm(L) x 600mm(W) x 32mm(Thk). The samples consist of galvanised steel sheet of 0.5mm(Thk) on top and bottom of the panel and with a nominal gross weight of 21.5kg.
- 2) Eight pedestal assemblies, claimed to be "FFH 350mm" references (Refer to photo. 2 in Appendix) with nominal measured dimensions as followed:
 - Pedestal head of 90mm(O.D) x 3.1mm(Thk) with hollow tube of 32mm(O.D) x 75mm(L) x 1.5mm(Thk) and PVC pedestal cap of 2.3mm(Thk).
 - Pedestal base plate of 100mm(L) x 100mm(W) x 2.1mm(Thk), with 25mm(Dia.) hollow pipe (Jack) 300mm(L) x 1.9mm(Thk) and a hexagonal nut.
- 3) Eight stringers (Refer to photo. 3 in Appendix) with nominal measured dimensions of 535mm(L) x 30mm(W) x 32mm(H) x 1mm(Thk).
- 4) One packet of countersunk screws, nuts and washers (Refer to photo. 4 in appendix).
- 5) One bottle each of "Araldite AW 106" brand and "Hardener HV 953 IN" brand of adhesive (Refer to photo. 5 in Appendix) as bonding agent for the pedestal assemblies.



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TEST RESULTS:

ENVIRONMENTAL CONDITIONS:

Temperature : 24°C
Humidity : 64%RH


Hard Body Impact Test

Sample Reference	" Fibre Cement Board Core" Material Floor Panel		BSEN 12825 : 2001 (Clause : 5.5.1.6) Requirements
Position of drop	Centre	Centre of edge	-
Element size (mm)	600 x 600 x 32		-
System height (mm)	350		-
Observation	Pass – Panel did not collapse or crack		The panel shall not collapse or crack after any impact

Soft Body Impact Test

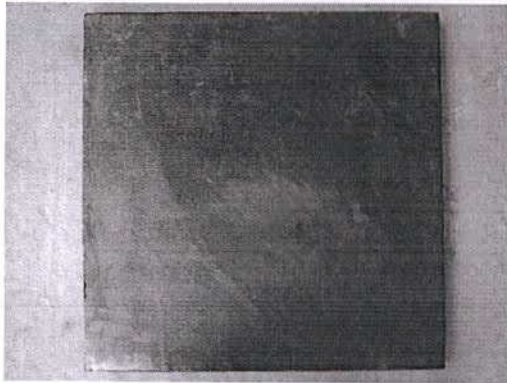
Sample Reference	" Fibre Cement Board Core" Material Floor Panel			BSEN 12825 : 2001 (Clause : 5.5.2.6) Requirements
Position of drop	Centre	Centre of edge	* Weakest point	-
Element size (mm)	600 x 600 x 32			-
System height (mm)	350			-
Observation	Pass – Panel did not collapse or crack			The panel shall not collapse or crack after any impact

- Note:
- 1) The panel was supported with 4 stringers and pedestal assemblies base glued during testing.
 - 2) A new panel was used for each test.
 - 3) "*" Weakest point was located at 70mm diagonal from the edge of the pedestal head.


Andrew Teo
Engineer


Cha Ming Yang
Product Manager
Automotive and Industrial Products
Mechanical Centre

APPENDIX:



Front view of panel



Back view of panel

Photo. 1 :Access Floor Panel

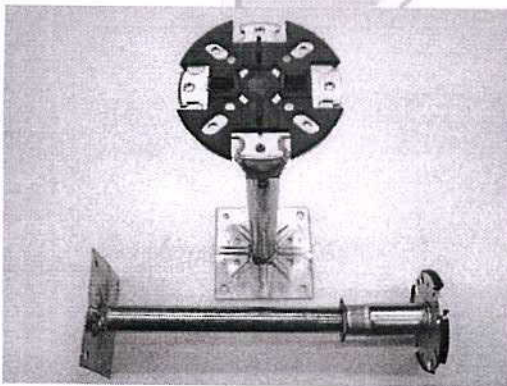


Photo. 2 : Pedestal Assembly



Photo. 3 : Stringer



Photo. 4 : Countersunk Screws, Nuts and Washers



Photo. 5 : Adhesive

Ans *Cha*

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March 2010