

SHANGHAI INTCO INDUSTRIES CO.,LTD

ADD: NO.1299 HUBIN ROAD, HUQIAO TOWN, FENG XIAN DISTRICT, SHANGHAI 201417 P. R. CHINA

Report No.:INTCO20210804

TEST REPORT

PRODUCT NAME: PVC PANEL
MODELS: 5mm, 7mm, 7.5mm, 8mm, 10mm, 12mm
SAMPLE OF TEST: 12mm •
DATE OF TEST: 20 July, 2021 & 03 Aug, 2021
DATE OF ISSUE: 04 Aug, 2021
TEST STANDARD: EN 13245-1:2010, EN 13245-2:2008

Test result: Pass

Tested by:

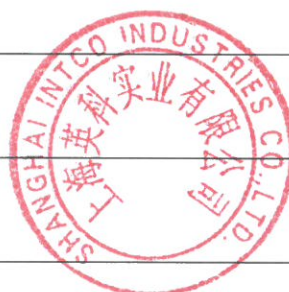
Chen Shiqiao

Verified by:

Pu xuefeng

Approved by:

Pan Min



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1. General description

2. Variations of the series products

3. List of applicable regulations and standards

REGULATION (EU) No 305/2011

EN 13245-1:2010 Plastics - Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications - Part 1: Designation of PVC-U profiles.

EN 13245-2:2008 - Plastics - Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications - Part 2: PVC-U profiles and PVC-UE profiles for internal and external wall and ceiling finishes

4. Test data details

No	Items	Requirements	Test standards	Result	Verdict
4	Performance requirements				
4.1	Reaction to fire	Reaction to fire performance applies only for PVC-U profiles and PVC-UE profiles intended for end uses on interior/exterior wall/ceiling finishes subject to reaction to fire regulations. Nevertheless, even when this use is not subject to such regulations, the reaction to fire performance of these profiles may be declared. The PVC-U profile or PVC-UE profile shall be tested and classified according to EN 13501-1 and the resulting class and sub-class shall be declared. When tested in accordance with EN 13823, the mounting	EN 13245-1:2010	PVC-U : For external use Class :F $\Delta T \leq 50^{\circ}\text{C}$ and $\Delta m \leq 50\%$ and $t_f \leq 20\text{ s}$	--

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		and fixing of the PVC-U profile or PVC-UE profile shall conform to Annex A and the indication on this method, as given therein, shall also be declared.			
4.2	Resistance to fixings	The method(s) of fixing of the PVC-U profiles and PVC-UE profiles shall be declared.	EN 13245-2:2008	Fixing with glue and fixed channel	P
4.3	Mechanical resistance				
4.3.1	General	Mechanical resistance applies only for profiles intended for end uses on external wall/ceiling finishes.	EN 13245-2:2008	PVC-U:For external use	P
4.3.2	PVC-U profiles	The mechanical resistance of PVC-U profiles shall be demonstrated by testing the impact resistance at 23 °C according to Annex A of EN 13245-1:2010 with the extrusion direction of the test specimen perpendicular to the two rounded steel supports and declaring the result according to Table 2 of EN 13245-1:2010.	EN 13245-1:2010	Energy levels:10 codes: (23,10)	
4.3.3	PVC-UE profiles	The mechanical resistance of PVC-UE profiles shall be	EN 13245-2:2008	N.A	N.A

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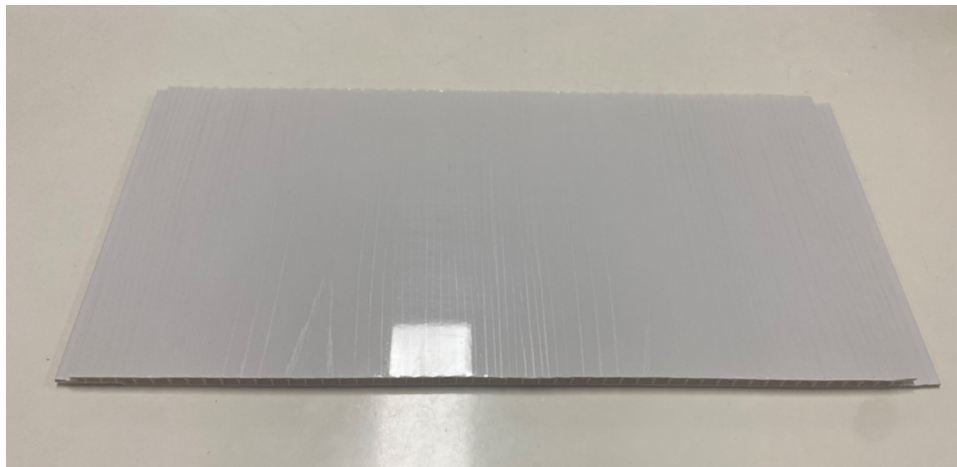
		demonstrated by testing the impact resistance at 23 °C according to Annex B and declaring the result according to Table B.1.			
4.4	Durability				
4.4.2	Profiles for external use				
4.4.2 .1	PVC-U profiles	The durability of PVC-U profiles for external use shall be demonstrated by testing the tensile impact-strength according to EN ISO 8256, Method A, using a test specimen of type 5 cut in the extrusion direction, after either an artificial ageing or a natural ageing according to 5.6.2 of EN 13245-1:2010 and declaring the result according to 5.6.4 of EN 13245-1:2010.	EN 13245-1:2010	Mean values: 272 KJ/m2 codes: (A,4)	P
4.4.2 .2	PVC-UE profiles	The durability of PVC-UE profiles for external use shall be demonstrated by testing:a)impact resistance	EN 13245-2:2008	N.A	N.A

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		<p>according to Annex B after an artificial ageing (exposure to fluorescent UV lamps) or a natural ageing according to Annex C and declaring the method of assessment and the result according to Table C.1 b)Charpy impact strength according to Annex D after an artificial ageing (exposure to xenon-arc lamps) or a natural ageing according to 5.6.2 of EN 13245-1:2010 and declaring the method of assessment and the result according to Table D.1.</p>			
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The picture:



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