



CREPIM

Société par Actions Simplifiée - 792 178 816 R.C.S. ARRAS  
 Siège social : Parc de la Porte Nord - rue Christophe Colomb.  
 62700 BRUAY LA BUISSIÈRE France  
 Tél. : 03.21.61.64.00 Fax : 03.21.61.64.01  
 E-mail : [contact@crepim.fr](mailto:contact@crepim.fr) [www.crepim.fr](http://www.crepim.fr)  
 SIRET 792 178 816 00015 / APE 7112B / T.V.A. FR85 792 178 816

**Report NF EN 45545-2+A1**

<b>File n°</b>	1677/20/026 A	<b>To</b>		
<b>Date</b>	19/02/18	<b>Society</b>	ARMACELL BENELUX	
<b>Manager</b>	Skander KHELIFI	<b>Name</b>	Justyna DOLEGA	
<b>Your order</b>	ACB 180045	<b>Address</b>	Z.I. Les Plenesses - Rue des Trois Entités 9	
<b>Date of order</b>	11/01/18	<b>Postcode</b>	4890	<b>Town</b> Thimister-Clermont
				<b>Country</b> Belgium

**Tested Product**

**Name :** Sandwich of ArmaFORM PET FR100 with aluminum skins

**Description :** Sandwich material made of a 16mm thick ArmaFORM PET FR100 core with two aluminum skins AW5754 H48 (1mm thick and 1.2mm thick). Assembly made with adhesive Sikaforce 7010/7710.

**Surface Density:** 0.88 g/cm<sup>2</sup> (calculated)

**Thickness :** 18.2 mm

**Color\*:** Aluminum

**Remarks :** Exposed face: 1mm thick aluminum skin.

**Manufacturer :** ARMACELL BENELUX

**Substrate :** /

**Results**

Test Standard	Parameter	Obtained results	
ISO 5659-2	Smoke Opacity	Ds (4) :	0
		VOF4 :	1
		Dm :	3
ISO 5659-2 - Annex C of NF EN 45545-2	Smoke toxicity	ITC 4 minutes :	0,00
		ITC 8 minutes :	0,01
ISO 5660-1	Heat emission	MARHE (kW/m <sup>2</sup> ) :	0
ISO 5658-2	Vertical Critical Heat Flux	CFE (kW/m <sup>2</sup> ) :	Not applicable
NF X 70-100	Smoke toxicity	ITC :	Not applicable
ISO 4589-2	Limit Oxygen Index	LOI (%O <sub>2</sub> ) :	Not applicable
NF EN ISO 11925-2	Small flame attack	Ignitability :	Not applicable
NF EN 60695-2-11	Glow-wire test	Temperature (°C):	Not applicable
NF EN 60695-11-10	Vertical flame test	Rank :	Not applicable
NF EN ISO 9239-1	Horizontal Critical Heat Flux	CHF (kW/m <sup>2</sup> ) :	≥11

  

Classification standard	Name
NF EN 45545-2	Railway applications — Fire protection on railway vehicles Part 2: Requirements for fire behavior of materials and components

\* : NF EN 45545-2+A1 §4.2 f) a test which qualifies any product or surface shall also qualify any product or surface which differs only in color and/or patterned.

Based on the test results above the tested product meets the rank

**HL3 for requirement R10 on 1mm thick aluminum face**

T. TURF Test Manager		F. POUTCH President
S. KHELIFI Technical Manager		