

## Declaration of Performance

**N.º 01**

**1. Unique identification code of the product-type:**

ETA 13/0438 – *Terrace decking kit*

**2. Intended uses:**

ETA 13/0438 – *Terrace decking kit*

**3. Manufacturer:**

IHT, Lda  
Zona Industrial de Soure  
Rua E - Lote 15  
3130-551 Soure Portugal  
T: +351 239 501 339  
F: +351 239 098 488

**4. Authorized Representative:**

Not Applicable

**5. System of assessment and verification of constancy of performance of the construction product (AVCP):**

System 4

**6A. Harmonised Standard:**

Not Applicable

**Notified body:**

Not Applicable

**6B. European Assessment Document:**

ETA 13/0438

**European Technical Approval:**

ETA 13/0438

**Technical Assessment Body:**

Laboratório Nacional de Engenharia Civil (LNEC)

**Notified body:**

Not Applicable



## 7. Declared performance:

Characteristics	Declared values and classes <sup>1</sup>		Harmonised technical specification
	Hollow profile	Solid profile	
Dimensions of the profiles (mm)	Decking profiles: 140 x 24 Support rail profiles: 45 x 27		ETA 13/0438
Swelling thickness (EN 317)	0,4 %	0,3 %	
Water absorption (EN 317)	1,1 %	0,6 %	
Bending strength (EN 310)	48 N/mm <sup>2</sup>	57 N/mm <sup>2</sup>	
Modulus of elasticity in bending (EN 310) - (Distance between supports 500 mm)	6600 N/mm <sup>2</sup>	5500 N/mm <sup>2</sup>	
Bending strength (characteristic value – EN 789)	40 N/mm <sup>2</sup>	46 N/mm <sup>2</sup>	
Modulus of elasticity in bending (EN 789) - (Distance between supports 1080 mm)	7300 N/mm <sup>2</sup>	7000 N/mm <sup>2</sup>	
Impact strength (EN 477): + 23 °C / 1 kg	80 cm (7,8 J) (no rupture)	200 cm (19,6 J) (no rupture)	
Impact strength (EN 477): - 10 °C / 1 kg	100 cm (9,8 J) (no rupture)	200 cm (19,6 J) (no rupture)	
Point load capacity (characteristic value – EN 1533)	6810 N	8780 N	
Mechanical fastener holding capacity (characteristic value)	1330 N (Quick-fix Intermediate Clip) 1040 N (Quick-Fix Pro Intermediate Clip)		
UV-radiation resistance, EN ISO 4892-2, 1000 h Charpy impact strength, EN ISO 179-1)	- Before ageing: 3,95 kJ/m <sup>2</sup> - After ageing: 4,99 kJ/m <sup>2</sup>		
Thermal expansion coefficient [-40 °C, 80 °C] (ASTM E228 / EN 821-1)	(21,3 ± 0,1) x 10 <sup>-6</sup> K <sup>-1</sup> (x direction) (50,6 ± 0,8) x 10 <sup>-6</sup> K <sup>-1</sup> (y direction)		
Density (EN ISO 1183-1)	1,392 g/cm <sup>3</sup>		
Surface hardness (Influence of moisture – EN 317 / EN 1534)	94 N/mm <sup>2</sup>	101 N/mm <sup>2</sup>	

<sup>1</sup> IHT assumes a variation of 30% due to the production process and exposure to climatic factors.

## 8. Adequate Technical Documentation and/or Specific Technical Documentation:

ETA 13/0438, drawn up according to the CUAP 04.02/29 and Technical Data Sheet CDECK into force

The performance of the above-identified product complies with the set of declared performances. This declaration of performance is issued in accordance with the European Regulation (EU) n.º 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Marco Duarte, General Manager  
[Name e function]

*Supra 2018/03/02*  
[Place e Date]

*[Signature]*  
**IHT, Lda**  
Cont. n.º 508 971 365  
A Gerência  
[Signature]