

DECLARATION OF PERFORMANCE

No. CPR-20-IC-0901

1. Unique identification code of the product-type:

- 1045315 Uponor Comfort Panel High Performance 1250x625 mm
- 1045316 Uponor Comfort Panel High Performance 1200x600 mm
- 1045317 Uponor Comfort Panel High Performance 625x625 mm
- 1045318 Uponor Comfort Panel High Performance 600x600 mm

2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Ceiling mounted radiant panels in buildings

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Uponor GmbH, Industriestraße 56 D-97437 Hassfurt, Germany

4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

N/A

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

6. In case of the declaration of performance concerning a construction product covered by a harmonized standard EN 14037-1: 2003 for which

- HLK Stuttgart Germany
- VTT ESPOO Finland
- Wessling- Altenberge, Germany

Performed initial tests type in system: 3 and issued Test reports:

- Test reports- heating cooling performance
 - DF10 H26.2918-E
 - VF10 K26.2917-E
- Classification reports- Reaction to fire
 - VTT-S-10730-08/GB
 - VTT-S-2766-10/EN
- Emmision chamber test
 - CAL 11247-13

7. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	C	EN 14037-1: 2003
Release of dangerous substances	Requirements fulfilled See table below	
Tightness	n/a	
Pressure tightness	n/a Max. operating pressure- 6 bar.	
Surface temperature	10-60°C	
Rated thermal output	Heating capacity 103 W/m ² by 15 K Cooling capacity 74 W/m ² by 8 K	
Thermal output in different operating conditions	Characteristic curves below the table	
Durability	Galvanised steel frame of the panel	

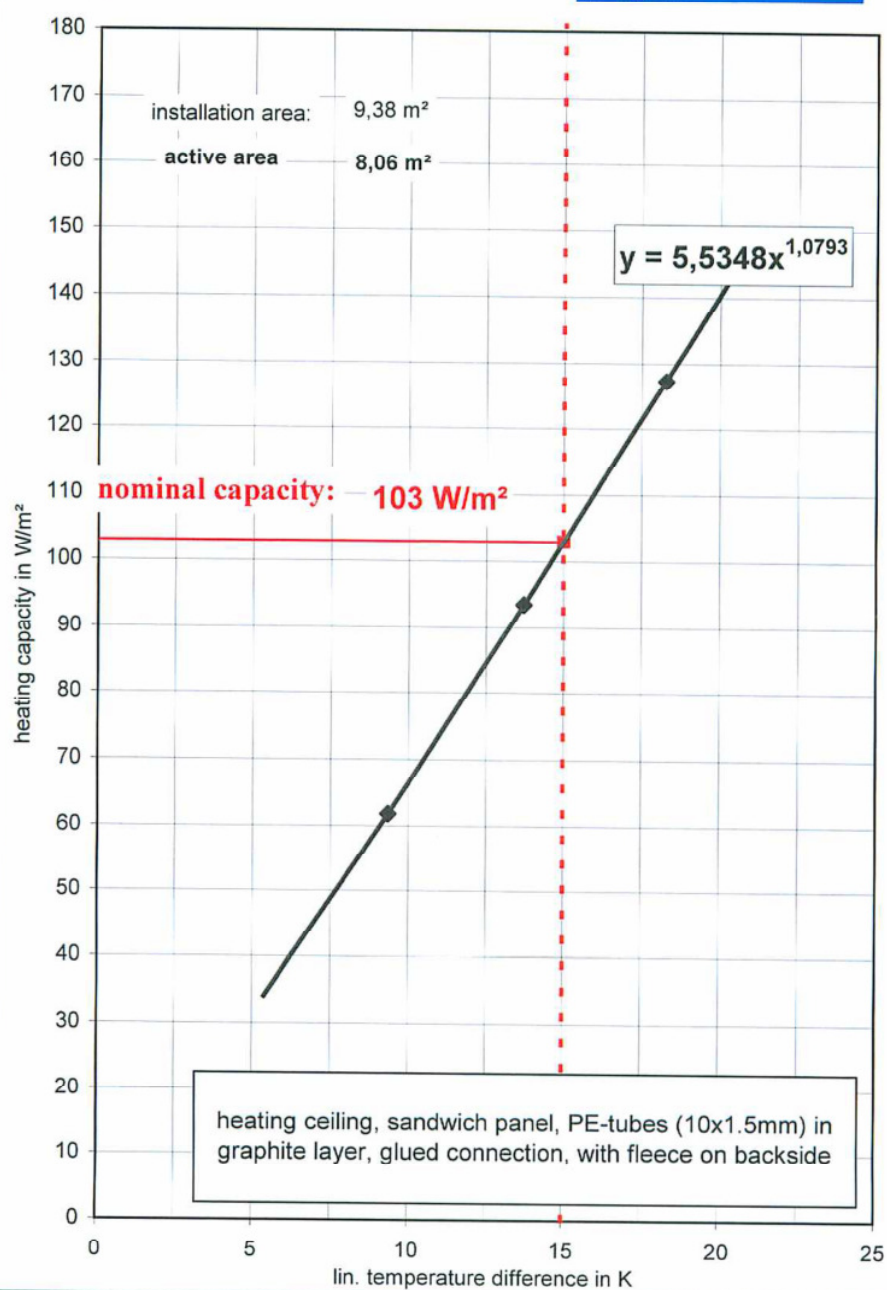
Probenbezeichnung Name of the sample										Comfort Panel CP 2																							
Aktenzeichen beim DIBt File number of DIBt										- / -																							
Prüfinstitut Testing laboratory										WESSLING GmbH																							
Ergebnisüberblick General view of the results ADAM_2012_08_3										3 Tage (days)					7 Tage (days)					28 Tage (days)													
										Ergebnisse results		AgBB Anforderungen requirements		Abbruchkriterien break-off criteria		Ergebnisse results		Abbruchkriterien break-off criteria		Ergebnisse results		Abbruchkriterien break-off criteria		Ergebnisse results		AgBB Anforderungen requirements							
										µg/m³		mg/m³		mg/m³		µg/m³		mg/m³		µg/m³		mg/m³		µg/m³		mg/m³							
										244		0		0,2		≤ 0,3 mg/m³		0,00		≤ 0,03 mg/m³		66		0,1		≤ 0,5 mg/m³		26		0,0		≤ 1,0 mg/m³	
										keine none		keine none		0,3		≤ 0,5		0		≤ 0,05 mg/m³		0		0,00		≤ 0,05 mg/m³		0		0,0		≤ 0,1 mg/m³	
[A] TVOC (C ₆ - C ₁₆)										0,297		keine none		0,00		≤ 0,05 mg/m³		0,074		0,1		≤ 0,5		0,027		0		≤ 1					
[B] Σ SVOC (C ₁₆ - C ₂₂)										0		keine none		0,00		≤ 0,05 mg/m³		0		0,00		≤ 0,05 mg/m³		0		0,0		≤ 0,1 mg/m³					
[C] R (dimensionslos dimensionless)										0		keine none		0,00		≤ 0,05 mg/m³		0		0,00		≤ 0,05 mg/m³		0		0,0		≤ 0,1 mg/m³					
[D] Σ VOC o. NIK without LCI										0		keine none		0,00		≤ 0,01 mg/m³		0		0,000		≤ 0,001 mg/m³		0		0,000		≤ 0,001 mg/m³					
[E] Σ Cancerogene										0		0,00		≤ 0,01 mg/m³		0,000		≤ 0,001 mg/m³		0		0,000		≤ 0,001 mg/m³		0		≤ 0,001 mg/m³					
Dieser Block liefert zusätzliche Information This part gives some additional information																																	
[F] WVOC (< C ₆)										65		Wert manuell eingegeben! Enter value manually!		←		Wert manuell eingegeben! Enter value manually!		←		Wert manuell eingegeben! Enter value manually!		←		Wert manuell eingegeben! Enter value manually!									
[G] VOC (C ₆ - C ₁₆) als Toluoläquivalent as toluene equivalent										65		←		Wert manuell eingegeben! Enter value manually!		←		Wert manuell eingegeben! Enter value manually!		←		Wert manuell eingegeben! Enter value manually!											
[H] Formaldehyd Formaldehyde										65		keine none		0,065 !!		≤ 0,060 mg/m³		58		0,058		≤ 0,060 mg/m³		15		0,015		≤ 0,120 mg/m³					

test report no.: DF10 H26.2918-E

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Type: Uponor Comfort Panel

uponor



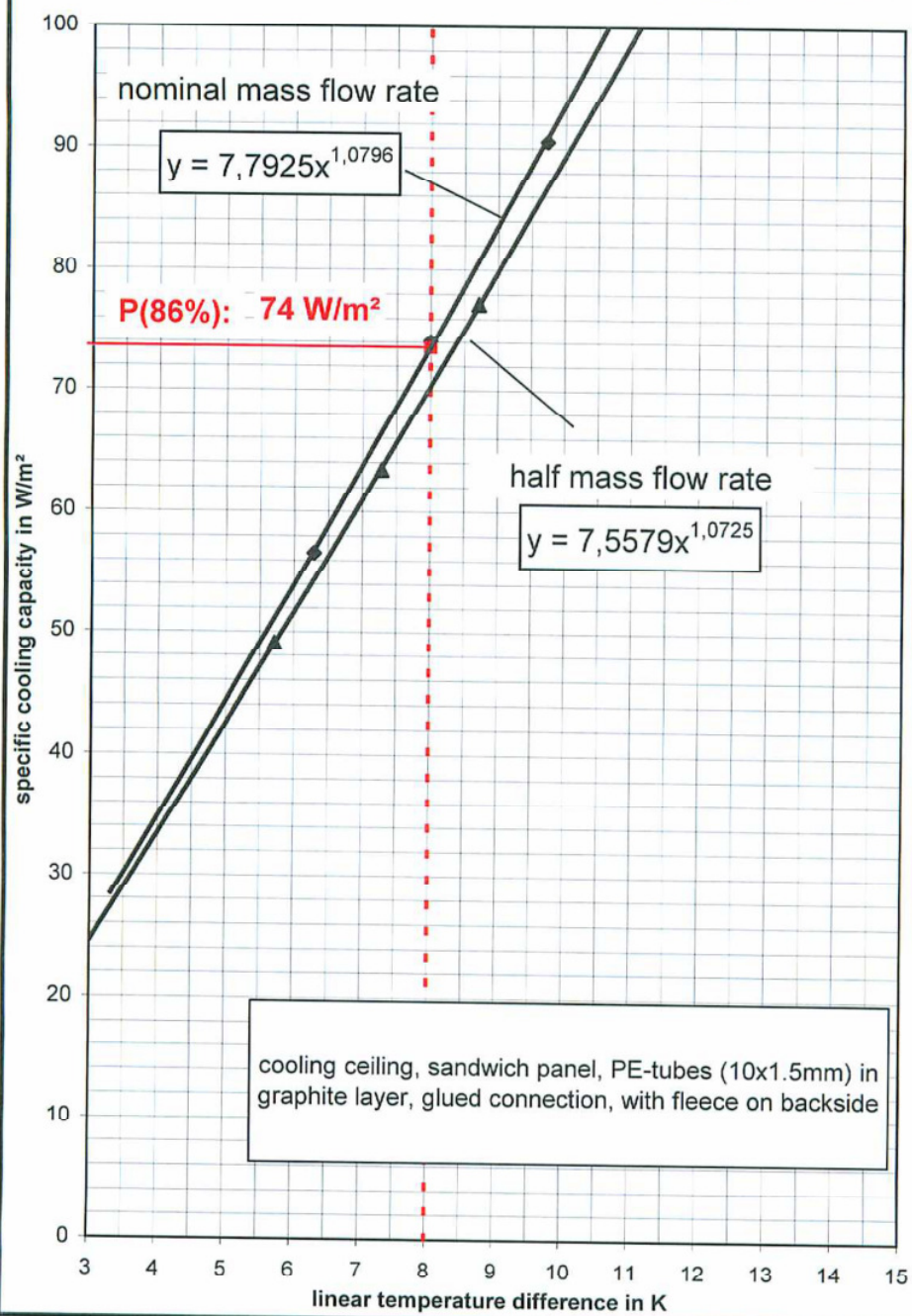
test report no.: VF10 K26.2917-E

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applicant: **Uponor GmbH**

type: Uponor Comfort Panel

uponor



8. Appropriate Technical Documentation and/or Specific Technical Documentation

N/A

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

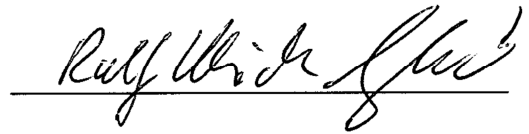


i.V. Markus Friedrichs

Head of Product Management

Uponor GmbH

Hassfurt, 06.06.2014



i.V. Ralf-Ulrich Nykiel

Head of Supplier Quality Assurance

Uponor GmbH

Ochtrup, 06.06.2014