

# Declaration of Performance

## T4305YPCPR

1. Unique identification code of the product-type:  
Thermo-teK PS Eco ALU, Thermo-teK PS Eco
2. Intended use or uses:  
Thermal Insulation products for building equipment and industrial installations
3. Manufacturer:  
Knauf Insulation d.o.o.  
Varaždinska 140, 42220 Novi Marof  
Croatia  
www.knaufinsulation.com - dop@knaufinsulation.com
4. Authorised representative:  
Not applicable
5. System or systems of assessment and verification of constancy of performance:  
AVCP System 1 for Reaction to Fire  
AVCP System 3 for the other characteristics
- 6a. Harmonized Standard:  
EN 14303:2009 + A1:2013  
  
Notified body or bodies:  
AVCP System 1: (Notified certification body) 0751 - Forschungsinstitut für Wärmeschutz e. V. München  
FIW München - - -  
  
AVCP System 3: (Notified testing laboratory) 0751 - Forschungsinstitut für Wärmeschutz e. V. München  
FIW München - - - - - - - -
- 6b. European Assessment document: not applicable  
European Technical Assessment: not applicable  
Technical Assessment Body: not applicable  
Notified body/ies: not applicable
7. Declared Performances:  
See next page

Essential Characteristics	T4305YPCPR			Harmonised Technical Standard
	Performance		Thermo-teK PS Eco	
Reaction to fire	Reaction to fire		A1L	EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption		NPD	
Water Permeability	Water Absorption		WS1	
Water Vapour Permeability	Water Vapour Diffusion Resistance		NPD	
Compressive Strength	Compressive Stress or Compressive Strength for Flat Products		NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble ions and the pH-value		CL10	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Substances		NPD	
Continuous glowing combustion	Continuous glowing combustion		NPD	
Durability of reaction to fire against ageing / degradation	Durability characteristics		A1L {b}	
Durability of thermal resistance against ageing/degradation	Thermal Conductivity		NPD {c}	
	Dimensional Stability		NPD	
	Maximum service temperature - dimensional stability		450°C	
	Durability characteristics		NPD	
Durability of reaction to fire against high temperature	Durability characteristics		A1L {d}	
Durability of thermal resistance against high temperature	Durability Characteristics		NPD {c}	
	Maximum service temperature - dimensional stability		450°C	
Thermal Resistance	Dimensions & Tolerances		20-120 mm T8/T9	
	Thermal conductivity (W/mk) at Temperature in °C	10	0,033	
		40	0,037	
		50	0,039	
		100	0,046	
		150	0,053	
		NPD	NPD	
		NPD	NPD	
		NPD	NPD	
NPD - No performance determined				

Essential Characteristics	T4305YPCPR			Harmonised Technical Standard
	Performance		Thermo-teK PS Eco ALU	
Reaction to fire	Reaction to fire		Outside diameter ≤ 300 mm: A2L-s1,d0 Outside diameter > 300 mm: A2-s1,d0	EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption		NPD	
Water Permeability	Water Absorption		WS1	
Water Vapour Permeability	Water Vapour Diffusion Resistance		MV2	
Compressive Strength	Compressive Stress or Compressive Strength for Flat Products		NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble ions and the pH-value		CL10	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Substances		NPD	
Continuous glowing combustion	Continuous glowing combustion		NPD	
Durability of reaction to fire against ageing / degradation	Durability characteristics		Outside diameter ≤ 300 mm: A2L-s1,d0 Outside diameter > 300 mm: A2-s1,d0 {b}	
Durability of thermal resistance against ageing/degradation	Thermal Conductivity		NPD {c}	
	Dimensional Stability		NPD	
	Maximum service temperature - dimensional stability		450°C	
	Durability characteristics		NPD	
Durability of reaction to fire against high temperature	Durability characteristics		Outside diameter ≤ 300 mm: A2L-s1,d0 Outside diameter > 300 mm: A2-s1,d0 {d}	
Durability of thermal resistance against high temperature	Durability Characteristics		NPD {c}	
	Maximum service temperature - dimensional stability		450°C	
Thermal Resistance	Dimensions & Tolerances		20-120 mm T8/T9	
	Thermal conductivity (W/mk) at Temperature in °C	10	0,033	
		40	0,037	
		50	0,039	
		100	0,046	
		150	0,053	
		NPD	NPD	
		NPD	NPD	
		NPD	NPD	
NPD - No performance determined				

8. Appropriate Technical Documentation and / or Specific Technical Documentation:

Not applicable

The performance of the product identified above is in conformity with the set of declared performances.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for an on behalf of the manufacturer by:

Stjepan Mršić - Plant manager

(Name and function)



Novi Marof - 03-Oct-22

(Place and date of issue)

Footnotes

{a} The requirement on a certain characteristic is not applicable in those Member States (MSs) where there are no regulatory requirements on that characteristic for the intended use of the product. In this case, manufacturers placing their products on the market of these MSs are not obliged to determine nor declare the performance of their products with regard to this characteristic and the option 'No performance determined' (NPD) in the information accompanying the CE marking (see ZS.3) may be used. The NPD option may not be used, however, where the characteristic is subject to a threshold level (thermal resistance (thermal conductivity and thickness)).

{b} The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic contents, which cannot increase with time.

{c} Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

{d} The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.