Declaration of Performance



T4305DPCPR

1. Unique identification code of the product-type:

Power-tek WM 620 GGN, Power-tek WM 620 GSN, Power-tek WM 620 SSN, Power-tek WM 620 GGA, Power-tek 620 WM GSA, Power-tek WM 620 SSA, Power-tek FM 070, Power-tek FM 070 ALU, Power-tek WM 620 GGV

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: Forschungsinstitut für Wärmeschutz e. V. München FIW München (Notified certification body No. 0751)

AVCP System 3: Forschungsinstitut für Wärmeschutz e. V. München FIW München (Notified certification body No. 0751)

6b. European Assessment document: not applicable

European Technical Assessment: not applicable Technical Assessment Body: not applicable

Notified body/ies: not applicable

7. <u>Declared Performances:</u>

See next page

T4305DPCPR 06-05-19 Version 5.0 1/11

T4305DPCPR Power-teK 620 WM GSA



Essential Characteristics	Essential Characteristics T4305DPCPR			
	Performance		Power-teK 620 WM GSA	Standard
Reaction to fire	Reaction to fire A1		A1	EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption		NPD	-
Water Permeability	Water Absorption	1	WS1	1
Water Vapour Permeability	Water Vapour Diffusion Re	esistance	NPD	1
Compressive Strength	Compressive Stress or Compressive Flat Products	ive Strength for	NPD	-
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	-
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD	-
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	
Durability of thermal resistance against	Thermal Conductivity		NDD (c)	_
ageing/degradation	Thermal Conductivity Dimensional Stability		NPD {c} 	
	Maximum service temperature - dimensional stability		620 °C	-
	Durability characteristics		NPD	_
Durability of reaction to fire against high temperature	Durability characteris	tics	NPD {d}	
Durability of thermal resistance against high	Durability Characteris	rtice	NPD {c}	-
temperature	Maximum service temperature stability		620 °C	_
Thermal Resistance	Dimensions & Tolera	nces	30 - 120 / T2	_
	Thermal conductivity (W/mk) at	50	0,04	-
	Temperature in °C	100	0,047	-
		200	0,067	-
		300	0,094	-
		400	0,13	-
	500		0,173	-
			0,228	-
		NPD	NPD	-
		NPD	NPD	-
	NPD - No performance	e determined		

T4305DPCPR 06-05-19 Version 5.0 2/11

T4305DPCPR Power-teK FM 070



Essential Characteristics	Essential Characteristics T4305DPCPR			Harmonised Technical
	Performance		Power-teK FM 070	Standard
Reaction to fire	Reaction to fire A1		EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption		NPD	-
Water Permeability	Water Absorption		WS1	
Water Vapour Permeability	Water Vapour Diffusion Re	esistance	NPD	1
Compressive Strength	Compressive Stress or Compressi Flat Products	ve Strength for	NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD	
Continuous glowing combustion	Continuous glowing com	bustion	NPD	7
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	
Durability of thermal resistance against	The sweet Conductivity		NDD (c)	_
ageing/degradation	Thermal Conductivity Dimensional Stability		NPD {c}	-
	Maximum service temperature - dimensional stability		620 °C	_
	Durability characteristics		NPD	-
Durability of reaction to fire against high temperature	Durability characteris	itics	NPD {d}	
Durability of thermal resistance against high	Durability Characteris	etics	NPD {c}	
temperature	Maximum service temperature stability		620 °C	_
Thermal Resistance	Dimensions & Tolerar	nces	30 - 100 / T2	_
merma nesistance	Thermal conductivity (W/mk) at	50	0,04	-
	Temperature in °C	100	0,04	-
		200	0,047	_
		300	0,067	-
		400	0,094	-
		500	0,173	-
	600		0,228	-
		NPD	NPD	-
		NPD	NPD	-
	NPD - No performance			

T4305DPCPR 06-05-19 Version 5.0 3/11

T4305DPCPR Power-teK FM 070 ALU



Essential Characteristics	Essential Characteristics T4305DPCPR			
Performance			Power-teK FM 070 ALU	Standard
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption	1	NPD	_
Water Permeability	Water Absorption	1	WS1	-
Water Vapour Permeability	Water Vapour Diffusion Re	esistance	MV1	-
Compressive Strength	Compressive Stress or Compressi Flat Products	ive Strength for	NPD	-
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	-
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD	-
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	-
	71 10 1 11		1100 ()	_
Durability of thermal resistance against ageing/degradation	Thermal Conductivity		NPD {c}	-
	Dimensional Stability Maximum service temperature - dimensional stability		620 °C	-
	Durability characteris	Durability characteristics		_
Durability of reaction to fire against high temperature	Durability characteris	stics	NPD {d}	
Durability of thermal resistance against high	Durability Characteris	stics	NPD {c}	-
temperature	Maximum service temperature stability		620 °C	-
Thermal Resistance	Dimensions & Tolera	nces	30 - 100 / T2	-
	Thermal conductivity (W/mk) at	50	0,04	-
	Temperature in °C	100	0,047	-
		200	0,067	-
		300	0,094	1
		400	0,13	1
	500		0,173	1
	600		0,228	1
	NPD NPD		NPD	
			NPD	1
	NPD - No performanc	e determined		

T4305DPCPR 06-05-19 Version 5.0 4/11

T4305DPCPR Power-teK WM 620 GGA



Essential Characteristics	Essential Characteristics T4305DPCPR			
	Performance	Performance		Standard
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption		NPD	-
Water Permeability	Water Absorption	1	WS1	1
Water Vapour Permeability	Water Vapour Diffusion Re	esistance	NPD	1
Compressive Strength	Compressive Stress or Compressi Flat Products	ve Strength for	NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	-
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD	-
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	-
Durability of thermal resistance against	Thermal Conductivity		NPD {c}	-
ageing/degradation	Dimensional Stability		NPD	-
	Maximum service temperature - dimensional stability		620 °C	
	Durability characteristics		NPD	
Durability of reaction to fire against high temperature	Durability characteris	tics	NPD {d}	
Durability of thermal resistance against high	Durability Characteris	rtics	NPD {c}	-
temperature	Maximum service temperature stability		620 °C	_
Thermal Resistance	Dimensions & Tolera	ncas	30 - 120 / T2	-
sima nesistance	Thermal conductivity (W/mk) at	50	0,04	-
	Temperature in °C	100	0,04	-
		200	0,067	-
		300	0,094	-
		400	0,13	-
	500		0,173	-
			0,228	-
		NPD	NPD	-
		NPD	NPD	-
	NPD - No performance	e determined		<u> </u>

T4305DPCPR 06-05-19 Version 5.0 5/11

T4305DPCPR Power-teK WM 620 GGN



Essential Characteristics	Essential Characteristics T4305DPCPR			
	Performance	Performance		Standard
Reaction to fire	Reaction to fire	Reaction to fire		EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption		NPD	-
Water Permeability	Water Absorption	1	WS1	
Water Vapour Permeability	Water Vapour Diffusion Re	esistance	NPD	1
Compressive Strength	Compressive Stress or Compressi Flat Products	ve Strength for	NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	-
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD	-
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	
Durability of thermal resistance against	The world Conductivity		NDD (c)	-
ageing/degradation	Thermal Conductivity Dimensional Stability		NPD {c}	
	Maximum service temperature - dimensional stability		620 °C	
	Durability characteristics		NPD	
Durability of reaction to fire against high temperature	Durability characteris	itics	NPD {d}	
Durability of thermal resistance against high	Durability Characteris	rtics	NPD {c}	
temperature	Maximum service temperature stability		620 °C	_
Thermal Resistance	Dimensions & Tolera	2000	20, 120 / T2	-
mema resistance	Thermal conductivity (W/mk) at		30 - 120 / T2	-
	Temperature in °C	50	0,04	-
		200	0,047	-
		300	0,067	-
		400	0,094	_
		500	0,173	-
	600		0,228	-
		NPD	NPD	-
		NPD	NPD	-
	NPD - No performance			

T4305DPCPR 06-05-19 Version 5.0 6/11

T4305DPCPR Power-tek WM 620 GGV



Essential Characteristics	Essential Characteristics T4305DPCPR			
	Performance		Power-teK WM 620 GGV	Standard
Reaction to fire	Reaction to fire			EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption		NPD	-
Water Permeability	Water Absorption		WS1	-
Water Vapour Permeability	Water Vapour Diffusion Re		NPD	1
Compressive Strength	Compressive Stress or Compressi Flat Products		NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD	-
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	
Description of the condensated and			NDD (-)	-
Durability of thermal resistance against ageing/degradation	Thermal Conductivity Dimensional Stability		NPD {c}	
	Maximum service temperature - dimensional stability		620 °C	
	Durability characteristics		NPD	_
Durability of reaction to fire against high temperature	Durability characteris	tics	NPD {d}	
Durability of thermal resistance against high	Durability Characteris	etics	NPD {c}	-
temperature	Maximum service temperature stability		620 °C	
Thermal Resistance	Dimensions & Tolera	nces	30 - 120 / T2	-
	Thermal conductivity (W/mk) at	50	0,04	-
	Temperature in °C	100	0,047	-
		200	0,067	-
		300	0,094	-
		400	0,13	-
	500		0,173	-
			0,228	-
		NPD	NPD	1
		NPD	NPD	1
	NPD - No performance	e determined		

T4305DPCPR 06-05-19 Version 5.0 7/11

T4305DPCPR Power-teK WM 620 GSN



Essential Characteristics T4305DPCPR				Harmonised Technical
Performance			Power-tek WM 620 GSN	Standard
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption	1	NPD	-
Water Permeability	Water Absorption		WS1	
Water Vapour Permeability	Water Vapour Diffusion Re	esistance	NPD	
Compressive Strength	Compressive Stress or Compressi Flat Products	ve Strength for	NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	-
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD	
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	
Durability of thermal resistance against	Thermal Conductivity		NPD {c}	
ageing/degradation	Dimensional Stability		NPD	
	Maximum service temperature - dimensional stability		620 °C	
	Durability characteris	tics	NPD	_
Durability of reaction to fire against high temperature	Durability characteris	rtics	NPD {d}	-
Durability of thermal resistance against high	Durability Characteris	stics	NPD {c}	-
temperature	Maximum service temperature stability		620 °C	
Thermal Resistance	Dimensions & Tolerar	nces	30 - 120 / T2	-
	Thermal conductivity (W/mk) at	50	0,04	-
	Temperature in °C	100	0,047	-
		200	0,067	-
		300	0,094	1
		400	0,13	1
	500 600 NPD		0,173	-
			0,228	
			NPD	
		NPD	NPD	
	NPD - No performance	e determined		

T4305DPCPR 06-05-19 Version 5.0 8/11

T4305DPCPR Power-tek WM 620 SSA



Essential Characteristics	Essential Characteristics T4305DPCPR			
	Performance		Power-teK WM 620 SSA	Standard
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption		NPD	
Water Permeability	Water Absorption	1	WS1	-
Water Vapour Permeability	Water Vapour Diffusion Re	esistance	NPD	-
Compressive Strength	Compressive Stress or Compressive Flat Products	ive Strength for	NPD	-
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	-
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD	-
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	
Durability of thermal resistance against	The area of Constitution		NDD (-)	-
ageing/degradation	Thermal Conductivity Dimensional Stability		NPD {c} 	
	Maximum service temperature - dimensional stability		620 °C	_
	Durability characteristics		NPD	_
Durability of reaction to fire against high temperature	Durability characteris	stics	NPD {d}	
Durability of thermal resistance against high	Durability Characteris	ctics	NPD {c}	
temperature	Maximum service temperature		620 °C	_
	stability			
Thermal Resistance	Dimensions & Tolera	nces	30 - 120 / T2	
	Thermal conductivity (W/mk) at Temperature in °C	50	0,04	
	Temperature III C	100	0,047]
		200	0,067]
		300	0,094]
		400	0,13]
	500		0,173	
			0,228	1
		NPD	NPD	1
		NPD	NPD	1
	NPD - No performanc	e determined		

T4305DPCPR 06-05-19 Version 5.0 9/11

T4305DPCPR Power-tek WM 620 SSN



Essential Characteristics T4305DPCPR				Harmonised Technical
Performance			Power-teK WM 620 SSN	Standard
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption	1	NPD	_
Water Permeability	Water Absorption	1	WS1	-
Water Vapour Permeability	Water Vapour Diffusion Re	esistance	NPD	1
Compressive Strength	Compressive Stress or Compressi Flat Products	ive Strength for	NPD	-
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	-
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD	-
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	
Doubling of the conduction of the			NDD (-)	
Durability of thermal resistance against ageing/degradation	Thermal Conductivity		NPD {c}	
	Dimensional Stability Maximum service temperature - dimensional stability		620 °C	_
	Durability characteris	etics	NPD	_
Durability of reaction to fire against high temperature	Durability characteris	stics	NPD {d}	
Durability of thermal resistance against high	Durability Characteris	stics	NPD {c}	-
temperature	Maximum service temperature stability		620 °C	_
Thermal Resistance	Dimensions & Tolera	nces	30 - 120 / T2	
	Thermal conductivity (W/mk) at	50	0,04	-
	Temperature in °C	100	0,047	-
		200	0,067	-
		300	0,094	1
		400	0,13	-
	500		0,173	1
	600		0,228	1
	NPD NPD		NPD	+
			NPD	1
	NPD - No performance	e determined		1

T4305DPCPR 06-05-19 Version 5.0 10/11



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 - 06-05-19

(Place and date of issue)

Footnotes

{a} The requirement on a certain characteristic is not applicable in those Member Stats (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.

T4305DPCPR 06-05-19 Version 5.0 11/11