Declaration of Performance

T4305EPCPR

1. Unique Identification code of the product-type:
   WM 640 GG, WM 640 GS, WM 640 S, WM 640 ALU GG, WM 640 ALU SG, WM 640 ALU S, FM D80 CB, FM D80 CB AluR.

2. Type, Batch or serial number or any other element allowing identification of the technical product as required under article 11(4) of the CPR:
   See Product Label.

3. Intended use or uses of the technical product , in accordance with the applicable harmonised technical specification foreseen by the manufacturer:
   Thermal Insulation products for building equipment and industrial installations. EN 14303:2009+A1:2013

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):
   Knauf Insulation
   Am Bahnhof 7, 97346 Iphofen,
   Deutschland
   www.knaufinsulation.com
   Contact: dop@knaufinsulation.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):
   Not applicable.

6. System or systems of assessment and verification of constancy of performance of the technical products as set out in Annex V:
   - System 1: reaction to fire
   - System 3: Internal measurements for mechanical and thermal properties.

7. In case of the declaration of performance concerning the technical products covered by a harmonised standard:
   Notified body No. 0751 performed the initial inspection of the manufacturing evaluation of factory production control, and issued the certificate of constancy of performance for reaction to fire.

8. In case of the declaration of performance concerning the technical products for which a European Technical Assessment has been issued:
   Not applicable.

9. Declared Performances:

T4305EPCPR					
Essential characteristics		**Harmonised Standard**	**5**	**5**	**5**
Form			Wired mat	Wired mat	Wired mat
Type			WM 640 GG	WM 640 GS	WM 640 S
Description			Medium density, non-combustible mineral wool wired mat with galvanized steel mesh and galvanized stitching wire	Medium density, non-combustible mineral wool wired mat with galvanized steel mesh and stainless stitching wire	Medium density, non-combustible mineral wool wired mat with stainless steel mesh and stainless stitching wire
Produced on			Line 1	Line 1	Line 1
Nominal thickness (mm)		4.2.2.1	30-120 Load: 1000 Pa	30-120 Load: 1000 Pa	30-120 Load: 100 Pa
Name			Wired Mat WM 640	Wired Mat WM 640	Wired Mat WM 640
Dated			Feb 2012	Feb 2012	Feb 2012
Reaction to fire		4.2.4	A1	A1	A1
Continuous glowing combustion		4,3,10	NPD	NPD	NPD
Designation code			MW EN14303-T2-ST(+)640-WS1-CL10	MW EN14303-T2-ST(+)640-WS1-CL10	MW EN14303-T2-ST(+)640-WS1-CL10
Thermal conductivity group			TC5	TC5	TC5
Additional performance			Acoustic	Acoustic	Acoustic
Dimensional stability		4,2.3	NPD	NPD	NPD
Compression Stress		4.3.4	NPD	NPD	NPD
Sound absorption		4.3.8	NPD	NPD	NPD
Release of dangerous substances		4.3.9	NPD	NPD	NPD
Durability Characteristics		4.2.5	NPD	NPD	NPD
Dimensions and tolerances		4.2.2	T2	T2	T2
Water vapour diffusion resistance		4.3.6	NPD	NPD	NPD
Trace quantities of water soluble ions and pH- value		4.3.7	NPD	NPD	NPD
Thermal conductivity (W/mk) at Temperature in ºC	50	4.2.1	0,040	0,040	0,040
	100		0,046	0,046	0,046
	150		NPD	NPD	NPD
	200		0,063	0,063	0,063
	250		NPD	NPD	NPD
	300		0,085	0,085	0,085
	350		NPD	NPD	NPD
	400		0,113	0,113	0,113
	450		NPD	NPD	NPD
	500		0,148	0,148	0,148
	550		NPD	NPD	NPD
	600		0,195	0,195	0,195
	650		NPD	NPD	NPD
	700		NPD	NPD	NPD

T4305EPCPR					
Essential characteristics		**Harmonised Standard**	**5**	**5**	**5**
Form			Wired mat	Wired mat	Wired mat
Type			WM 640 Alu GG	WM 640 Alu GS	WM 640 Alu S
Description			Medium density, non-combustible mineral wool wired mat with galvanized steel mesh and galvanized stitching wire with inlaid aluminium foil	Medium density, non-combustible mineral wool wired mat with galvanized steel mesh and stainless stitching wire with inlaid aluminium foil	Medium density, non-combustible mineral wool wired mat with stainless steel mesh and stainless stitching wire with inlaid aluminium foil
Produced on			Line 1	Line 1	Line 1
Nominal thickness (mm)		4.2.2.1	30-120 Load: 1000 Pa	30-120 Load: 1000 Pa	30-120 Load: 1000 Pa
Name			Wired Mat WM 640 ALU	Wired Mat WM 640 ALU	Wired Mat WM 640 ALU
Dated			Feb 2012	Feb 2012	Feb 2012
Reaction to fire		4.2.4	A1	A1	A1
Continuous glowing combustion		4,3,10	NPD	NPD	NPD
Designation code			MW EN14303-T2-ST(+)640-WS1-CL10	MW EN14303-T2-ST(+)640-WS1-CL10	MW EN14303-T2-ST(+)640-WS1-CL10
Thermal conductivity group			TC5	TC5	TC5
Additional performance			Acoustic	Acoustic	Acoustic
Dimensional stability		4,2.3	NPD	NPD	NPD
Compression Stress		4.3.4	NPD	NPD	NPD
Sound absorption		4.3.8	NPD	NPD	NPD
Release of dangerous substances		4.3.9	NPD	NPD	NPD
Durability Characteristics		4.2.5	NPD	NPD	NPD
Dimensions and tolerances		4.2.2	T2	T2	T2
Water vapour diffusion resistance		4.3.6	NPD	NPD	NPD
Trace quantities of water soluble ions and pH- value		4.3.7	NPD	NPD	NPD
Thermal conductivity (W/mk) at Temperature in ^{o}C	50	4.2.1	0,040	0,040	0,040
	100		0,046	0,046	0,046
	150		NPD	NPD	NPD
	200		0,063	0,063	0,063
	250		NPD	NPD	NPD
	300		0,085	0,085	0,085
	350		NPD	NPD	NPD
	400		0,113	0,113	0,113
	450		NPD	NPD	NPD
	500		0,148	0,148	0,148
	550		NPD	NPD	NPD
	600		0,195	0,195	0,195
	650		NPD	NPD	NPD
	700		NPD	NPD	NPD

T4305EPCPR				
Essential characteristics		**Harmonised Standard**	**5**	**5**
Form			Felt Mat	Felt Mat
Type			FM D80 CB	FM D80 CB AluR
Description			Non-combustible mineral wool felt mat produced with low binder content	Non-combustible mineral wool felt mat produced with low binder content faced with reinforced aluminium foil on one side
Produced on			Line 1	Line 1
Nominal thickness (mm)		4.2.2.1	30-100 Load: 50 Pa	30-100 Load: 50 Pa
Name			Felt Mat D80 CB	Felt Mat D80 CB AluR
Dated			Feb 2012	Feb 2012
Reaction to fire		4.2.4	A1	A1
Continuous glowing combustion		4,3,10	NPD	NPD
Designation code			MW EN14303-T2-ST(+)640-WS1-CL10	MW EN14303-T2-ST(+)640-WS1-MV1-CL10
Thermal conductivity group			TC5	TC5
Additional performance			Acoustic	Acoustic
Dimensional stability		4,2.3	NPD	NPD
Compression Stress		4.3.4	NPD	NPD
Sound absorption		4.3.8	NPD	NPD
Release of dangerous substances		4.3.9	NPD	NPD
Durability Characteristics		4.2.5	NPD	NPD
Dimensions and tolerances		4.2.2	T2	T2
Water vapour diffusion resistance		4.3.6	NPD	NPD
Trace quantities of water soluble ions and pH- value		4.3.7	NPD	NPD
Thermal conductivity (W/mk) at Temperature in ºC	50	4.2.1	0,040	0,040
	100		0,046	0,046
	150		NPD	NPD
	200		0,063	0,063
	250		NPD	NPD
	300		0,085	0,085
	350		NPD	NPD
	400		0,113	0,113
	450		NPD	NPD
	500		0,148	0,148
	550		NPD	NPD
	600		0,195	0,195
	650		NPD	NPD
	700		NPD	NPD

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

    This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Ivan Zagorec – Plant Manager
(Name and function)

Novi Marof – 16/01/2015
(Place and date of issue) (Signature)