DECLARATION OF PERFORMANCE
NO 00104608

BEWI

1. Unique identification code of the product-type: XPS FOAM 400
2. Type, batch or serial number: Thickness 50 mm
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foressen by the manufacturer: Thermal Insulation for Buildings (ThIB) XPS /EN13164:2012+A1:2015
4. Name and contact address of the manufacturer: BEWI Insulation AB
Gårdsvägen 13
169 70 SOLNA
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: AVCP - System 3
7. Name and identification number of notified body: FIW (N° 751); CSTB (N° 679)

9. Declared Performance - Essential characteristic - (EN13164-ZA1)

Thickness	**[mm]**	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
[mm]	**declared thermal conductivity λD [W/m.K]**	**Thermal resistance RD [m².K/W]**									
50	0.033	1.50	1.50	1.55	1.60	1.60	1.65	1.65	1.70	1.75	1.75
60	0.033	1.80	1.80	1.85	1.90	1.90	1.95	2.00	2.00	2.05	2.05
70	0.034	2.05	2.05	2.10	2.10	2.15	2.20	2.20	2.25	2.25	2.30
80	0.034	2.35	2.35	2.40	2.40	2.45	2.50	2.50	2.55	2.55	2.60
90	0.035	2.55	2.55	2.60	2.65	2.65	2.70	2.70	2.75	2.75	2.80
100	0.035	2.85	2.85	2.90	2.90	2.95	3.00	3.00	3.05	3.05	3.10
110	0.035	3.15	3.15	3.20	3.20	3.25	3.25	3.30	3.30	3.35	3.40
120	0.035	3.40	3.45	3.45	3.50	3.50	3.55	3.55	3.60	3.65	3.65
130	0.036	3.60	3.60	3.65	3.65	3.70	3.75	3.75	3.80	3.80	3.85
140	0.036	3.85	3.90	3.90	3.95	4.00	4.00	4.05	4.05	4.10	4.10
150	0.036	4.15	4.15	4.20	4.25	4.25	4.30	4.30	4.35	4.35	4.40
160	0.036	-	-	-	-	-	-	-	-	-	-
170	0.036	-	-	-	-	-	-	-	-	-	-
180	0.036	-	-	-	-	-	-	-	-	-	-
190	0.036	-	-	-	-	-	-	-	-	-	-
200	0.036	-	-	-	-	-	-	-	-	-	-
210	0.036	-	-	-	-	-	-	-	-	-	-
220	0.036	-	-	-	-	-	-	-	-	-	-
230	0.036	-	-	-	-	-	-	-	-	-	-

DECLARATION OF PERFORMANCE
NO 00104608

1. Unique identification code of the product-type: XPS FOAM 400
2. Type, batch or serial number: Thickness 60 mm
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foressen by the manufacturer: Thermal Insulation for Buildings (ThIB) XPS /EN13164:2012+A1:2015
4. Name and contact address of the manufacturer: BEWI Insulation AB, Gårdsvägen 13, 169 70 SOLNA
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: AVCP - System 3
7. Name and identification number of notified body: FIW (N° 751); CSTB (N° 679)

9. Declared Performance - Essential characteristic - (EN13164-ZA1)

Thickness	[mm]	0	1	2	3	4	5	6	7	8	9
[mm]	declared thermal conductivity λD [W/m.K]	Thermal resistance RD [m².K/W]									
50	0.033	1.50	1.50	1.55	1.60	1.60	1.65	1.65	1.70	1.75	1.75
60	0.033	1.80	1.80	1.85	1.90	1.90	1.95	2.00	2.00	2.05	2.05
70	0.034	2.05	2.05	2.10	2.10	2.15	2.20	2.20	2.25	2.25	2.30
80	0.034	2.35	2.35	2.40	2.40	2.45	2.50	2.50	2.55	2.55	2.60
90	0.035	2.55	2.55	2.60	2.65	2.65	2.70	2.70	2.75	2.75	2.80
100	0.035	2.85	2.85	2.90	2.90	2.95	3.00	3.00	3.05	3.05	3.10
110	0.035	3.15	3.15	3.20	3.20	3.25	3.25	3.30	3.30	3.35	3.40
120	0.035	3.40	3.45	3.45	3.50	3.50	3.55	3.55	3.60	3.65	3.65
130	0.036	3.60	3.60	3.65	3.65	3.70	3.75	3.75	3.80	3.80	3.85
140	0.036	3.85	3.90	3.90	3.95	4.00	4.00	4.05	4.05	4.10	4.10
150	0.036	4.15	4.15	4.20	4.25	4.25	4.30	4.30	4.35	4.35	4.40
160	0.036	-	-	-	-	-	-	-	-	-	-
170	0.036	-	-	-	-	-	-	-	-	-	-
180	0.036	-	-	-	-	-	-	-	-	-	-
190	0.036	-	-	-	-	-	-	-	-	-	-
200	0.036	-	-	-	-	-	-	-	-	-	-
210	0.036	-	-	-	-	-	-	-	-	-	-
220	0.036	-	-	-	-	-	-	-	-	-	-
230	0.036	-	-	-	-	-	-	-	-	-	-

DECLARATION OF PERFORMANCE
NO 00104608

1. Unique identification code of the product-type: XPS FOAM 400
2. Type, batch or serial number: Thickness 70 mm
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foressen by the manufacturer: Thermal Insulation for Buildings (ThIB) XPS /EN13164:2012+A1:2015
4. Name and contact address of the manufacturer: BEWI Insulation AB, Gårdsvägen 13, 169 70 SOLNA
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: AVCP - System 3
7. Name and identification number of notified body: FIW (N° 751); CSTB (N° 679)

9. Declared Performance - Essential characteristic - (EN13164-ZA1)

Thickness	[mm]	0	1	2	3	4	5	6	7	8	9
[mm]	declared thermal conductivity λD [W/m.K]	Thermal resistance RD [m².K/W]									
50	0.033	1.50	1.50	1.55	1.60	1.60	1.65	1.65	1.70	1.75	1.75
60	0.033	1.80	1.80	1.85	1.90	1.90	1.95	2.00	2.00	2.05	2.05
70	0.034	2.05	2.05	2.10	2.10	2.15	2.20	2.20	2.25	2.25	2.30
80	0.034	2.35	2.35	2.40	2.40	2.45	2.50	2.50	2.55	2.55	2.60
90	0.035	2.55	2.55	2.60	2.65	2.65	2.70	2.70	2.75	2.75	2.80
100	0.035	2.85	2.85	2.90	2.90	2.95	3.00	3.00	3.05	3.05	3.10
110	0.035	3.15	3.15	3.20	3.20	3.25	3.25	3.30	3.30	3.35	3.40
120	0.035	3.40	3.45	3.45	3.50	3.50	3.55	3.55	3.60	3.65	3.65
130	0.036	3.60	3.60	3.65	3.65	3.70	3.75	3.75	3.80	3.80	3.85
140	0.036	3.85	3.90	3.90	3.95	4.00	4.00	4.05	4.05	4.10	4.10
150	0.036	4.15	4.15	4.20	4.25	4.25	4.30	4.30	4.35	4.35	4.40
160	0.036	-	-	-	-	-	-	-	-	-	-
170	0.036	-	-	-	-	-	-	-	-	-	-
180	0.036	-	-	-	-	-	-	-	-	-	-
190	0.036	-	-	-	-	-	-	-	-	-	-
200	0.036	-	-	-	-	-	-	-	-	-	-
210	0.036	-	-	-	-	-	-	-	-	-	-
220	0.036	-	-	-	-	-	-	-	-	-	-
230	0.036	-	-	-	-	-	-	-	-	-	-

DECLARATION OF PERFORMANCE
NO 00104608

1. Unique identification code of the product-type: XPS FOAM 400
2. Type, batch or serial number: Thickness 80 mm
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foressen by the manufacturer: Thermal Insulation for Buildings (ThIB) XPS /EN13164:2012+A1:2015
4. Name and contact address of the manufacturer: BEWI Insulation AB, Gårdsvägen 13, 169 70 SOLNA
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: AVCP - System 3
7. Name and identification number of notified body: FIW (N° 751); CSTB (N° 679)

9. Declared Performance - Essential characteristic - (EN13164-ZA1)

Thickness	[mm]	0	1	2	3	4	5	6	7	8	9
[mm]	declared thermal conductivity λD [W/m.K]	Thermal resistance RD [m².K/W]									
50	0.033	1.50	1.50	1.55	1.60	1.60	1.65	1.65	1.70	1.75	1.75
60	0.033	1.80	1.80	1.85	1.90	1.90	1.95	2.00	2.00	2.05	2.05
70	0.034	2.05	2.05	2.10	2.10	2.15	2.20	2.20	2.25	2.25	2.30
80	0.034	2.35	2.35	2.40	2.40	2.45	2.50	2.50	2.55	2.55	2.60
90	0.035	2.55	2.55	2.60	2.65	2.65	2.70	2.70	2.75	2.75	2.80
100	0.035	2.85	2.85	2.90	2.90	2.95	3.00	3.00	3.05	3.05	3.10
110	0.035	3.15	3.15	3.20	3.20	3.25	3.25	3.30	3.30	3.35	3.40
120	0.035	3.40	3.45	3.45	3.50	3.50	3.55	3.55	3.60	3.65	3.65
130	0.036	3.60	3.60	3.65	3.65	3.70	3.75	3.75	3.80	3.80	3.85
140	0.036	3.85	3.90	3.90	3.95	4.00	4.00	4.05	4.05	4.10	4.10
150	0.036	4.15	4.15	4.20	4.25	4.25	4.30	4.30	4.35	4.35	4.40
160	0.036	-	-	-	-	-	-	-	-	-	-
170	0.036	-	-	-	-	-	-	-	-	-	-
180	0.036	-	-	-	-	-	-	-	-	-	-
190	0.036	-	-	-	-	-	-	-	-	-	-
200	0.036	-	-	-	-	-	-	-	-	-	-
210	0.036	-	-	-	-	-	-	-	-	-	-
220	0.036	-	-	-	-	-	-	-	-	-	-
230	0.036	-	-	-	-	-	-	-	-	-	-

DECLARATION OF PERFORMANCE
NO 00104608

1. Unique identification code of the product-type: XPS FOAM 400
2. Type, batch or serial number: Thickness 100 mm
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foressen by the manufacturer: Thermal Insulation for Buildings (ThIB) XPS /EN13164:2012+A1:2015
4. Name and contact address of the manufacturer: BEWI Insulation AB, Gårdsvägen 13, 169 70 SOLNA
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: AVCP - System 3
7. Name and identification number of notified body: FIW (N° 751); CSTB (N° 679)

9. Declared Performance - Essential characteristic - (EN13164-ZA1)

Thickness	[mm]	0	1	2	3	4	5	6	7	8	9
[mm]	declared thermal conductivity λD [W/m.K]	Thermal resistance RD [m².K/W]									
50	0.033	1.50	1.50	1.55	1.60	1.60	1.65	1.65	1.70	1.75	1.75
60	0.033	1.80	1.80	1.85	1.90	1.90	1.95	2.00	2.00	2.05	2.05
70	0.034	2.05	2.05	2.10	2.10	2.15	2.20	2.20	2.25	2.25	2.30
80	0.034	2.35	2.35	2.40	2.40	2.45	2.50	2.50	2.55	2.55	2.60
90	0.035	2.55	2.55	2.60	2.65	2.65	2.70	2.70	2.75	2.75	2.80
100	0.035	2.85	2.85	2.90	2.90	2.95	3.00	3.00	3.05	3.05	3.10
110	0.035	3.15	3.15	3.20	3.20	3.25	3.25	3.30	3.30	3.35	3.40
120	0.035	3.40	3.45	3.45	3.50	3.50	3.55	3.55	3.60	3.65	3.65
130	0.036	3.60	3.60	3.65	3.65	3.70	3.75	3.75	3.80	3.80	3.85
140	0.036	3.85	3.90	3.90	3.95	4.00	4.00	4.05	4.05	4.10	4.10
150	0.036	4.15	4.15	4.20	4.25	4.25	4.30	4.30	4.35	4.35	4.40
160	0.036	-	-	-	-	-	-	-	-	-	-
170	0.036	-	-	-	-	-	-	-	-	-	-
180	0.036	-	-	-	-	-	-	-	-	-	-
190	0.036	-	-	-	-	-	-	-	-	-	-
200	0.036	-	-	-	-	-	-	-	-	-	-
210	0.036	-	-	-	-	-	-	-	-	-	-
220	0.036	-	-	-	-	-	-	-	-	-	-
230	0.036	-	-	-	-	-	-	-	-	-	-

DECLARATION OF PERFORMANCE
NO 00104608

BEWI

1. Unique identification code of the product-type: XPS FOAM 400
2. Type, batch or serial number: Thickness 120 mm
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foressen by the manufacturer: Thermal Insulation for Buildings (ThIB) XPS /EN13164:2012+A1:2015
4. Name and contact address of the manufacturer: BEWI Insulation AB, Gårdsvägen 13, 169 70 SOLNA
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: AVCP - System 3
7. Name and identification number of notified body: FIW (N° 751); CSTB (N° 679)

9. Declared Performance - Essential characteristic - (EN13164-ZA1)

Thickness	[mm]	0	1	2	3	4	5	6	7	8	9
[mm]	declared thermal conductivity λD [W/m.K]	Thermal resistance RD [m².K/W]									
50	0.033	1.50	1.50	1.55	1.60	1.60	1.65	1.65	1.70	1.75	1.75
60	0.033	1.80	1.80	1.85	1.90	1.90	1.95	2.00	2.00	2.05	2.05
70	0.034	2.05	2.05	2.10	2.10	2.15	2.20	2.20	2.25	2.25	2.30
80	0.034	2.35	2.35	2.40	2.40	2.45	2.50	2.50	2.55	2.55	2.60
90	0.035	2.55	2.55	2.60	2.65	2.65	2.70	2.70	2.75	2.75	2.80
100	0.035	2.85	2.85	2.90	2.90	2.95	3.00	3.00	3.05	3.05	3.10
110	0.035	3.15	3.15	3.20	3.20	3.25	3.25	3.30	3.30	3.35	3.40
120	0.035	3.40	3.45	3.45	3.50	3.50	3.55	3.55	3.60	3.65	3.65
130	0.036	3.60	3.60	3.65	3.65	3.70	3.75	3.75	3.80	3.80	3.85
140	0.036	3.85	3.90	3.90	3.95	4.00	4.00	4.05	4.05	4.10	4.10
150	0.036	4.15	4.15	4.20	4.25	4.25	4.30	4.30	4.35	4.35	4.40
160	0.036	-	-	-	-	-	-	-	-	-	-
170	0.036	-	-	-	-	-	-	-	-	-	-
180	0.036	-	-	-	-	-	-	-	-	-	-
190	0.036	-	-	-	-	-	-	-	-	-	-
200	0.036	-	-	-	-	-	-	-	-	-	-
210	0.036	-	-	-	-	-	-	-	-	-	-
220	0.036	-	-	-	-	-	-	-	-	-	-
230	0.036	-	-	-	-	-	-	-	-	-	-

9. Declared Performance - Essential characteristic - (EN13164-ZA1)

Dimensional tolerances		**T**	**1**
Compressive strength		**CS(10\Y)**	**400**
Tensile strength perpendicular to faces		**TR**	**NPD**
Shear strength		**SS**	**NPD**
Reaction to fire		**Euro-Class**	**NPD**
Continuous glowing combustion		**-**	**-**
Water permeability	Long term water absorption by total immersion	**WL(T)**	**0,7**
	Long term water absorption by diffusion	**WD(V)**	**2**
Water vapor permeability	Water vapor diffusion resistance factor	**MU**	**NPD**
Durability of compressive strength against ageing/degradation	Compressive creep	**CC (2/1,5/50)**	**180**
Durability of reaction to fire against heat, weathering, ageing/degradation	No change in Reaction to fire properties for extruded polystyrene foam.		
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and thermal conductivity	**see above R_D and λ_D**	
	Freeze/thaw resistance after long term water absorption by diffusion	**FTCD**	**1**
	Freeze/thaw resistance after long term water absorption by total immersion	**FTCI**	**NPD**
	Dimensional stability under specified temperature and humidity conditions	**DS**	**(70,90)**
	Deformation under specified compressive load and temperature conditions	**DLT**	**(2)5**
Dangerous substances	Release of dangerous substances to the indoor environment	**-**	**-**

«NPD» (No Performance Determined)

10. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of conformity is issued, in accordance with Regulation (EU) No 305/2011, under the sole 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

Fredrik Johansson

Managing Director
Sweden

Date of issue: 6th September 2021

Numbering according to CPR (Regulation EU No 305/2011) Annex III - only relevant items are listed.