FASSA BORTOLO
QUALITY FOR WITHSTRUCTION

DECLARATION OF PERFORMANCE

No. 002-CPR-25-11

1. Unique identification code of the product-type: **FASSATHERM PLUS**
2. Intended uses: **Composite External Thermal Insulation System of façade with plaster intended for external thermal insulation of building walls**
3. Manufacturer: **FASSA S.r.l. – Via Lazzaris, 3 – 31027 Spresiano (TV) – ITALY – www.fassabortolo.it**
4. Authorized Representative: Not applicable
5. Systems of Assessment and Verification of Withstance of Performance (AVCP): **2+**
6. European Assessment Document: **EAD 040083-00-0404 Edition 2019**
   European Technical Assessment: **ETA 09/0282**
   Technical Assessment Body: **OIB Österreichisches Institut für Bautechnik**
   Notified Body: **ITC-CNR (n.0970)**
7. Declared performances:

N°	Essential Feature	EAD	Performance		
1	Reaction to fire	2.2.1	**A2-s1, d0**		
2	Façade fire performance	2.2.2	**NPD**		
3	Water absorption by capillary	2.2.5		**After 1 h**	**After 24 hours**
			A 96 **AL 88**	**0.193 kg/m²** **0.228 kg/m²**	**0.474 kg/m²** **0.492 kg/m²**
			A 96 with RSR 421 **A 96 with RTA 549** **A 96 with RX 561** **A 96 with F. R 336** **AL 88 with RSR 421** **AL 88 with RTA 549** **AL 88 with RX 561** **AL 88 with F. R 336**	**0.022 kg/m²** **0.023 kg/m²** **0.010 kg/m²** **0.038 kg/m²** **0.029 kg/m²** **0.010 kg/m²** **0.070 kg/m²** **0.037 kg/m²**	**0.034 kg/m²** **0.111 kg/m²** **0.030 kg/m²** **0.122 kg/m²** **0.108 kg/m²** **0.132 kg/m²** **0.430 kg/m²** **0.218 kg/m²**
4	Water vapour permeability (Resistance to water vapour diffusion)	2.2.9		**Equivalent air thickness sd (average value) [m]**	
			A 96 with RSR 421 **A 96 with RTA 549** **A 96 with RX 561** **A 96 with F. R 336** **AL 88 with RSR 421** **AL 88 with RTA 549** **AL 88 with RX 561** **AL 88 with F. R 336**	**0.46** **0.27** **0.28** **0.28** **0.34** **0.39** **0.28** **0.21**	
5	Accelerated aging behavior	2.2.6	**No defects**		
6	Resistance to wind load	2.2.6	**NPD**		
7	Impact resistance	2.2.8	**Category I or II or NPA depending on the finishing cycle. See point 3.4 of ETA 09/0282**		
8	Adhesion strength between adhesive and substrate	2.2.11		**Med. (kPa)**	**Min. (kPa)**	**Breakage %**
			A 96 dry **AL 88 dry**	**870** **890**	**780** **720**	**100 Ades.**

			At 96 after 2 g in water and 2 h in air **AL 88 after 2 g in water and 2 h in air**	**77** **79**	**4** **4**	**100 MW**
			A 96 after 2 g in water and 7 g in air **AL 88 after 2 g in water and 7 g in air**	**8** **8**	**7** **7**	**100 MW**
	Adhesion strength between adhesive and insulating board	2.2.11		**Media (kPa)**	**Min. (kPa)**	**Break Type %**
			A 96 dry **AL 88 dry**	**20** **10**	**16** **7**	**100 MW**
			A 96 after 2 g in water and 2 h in the air **AL 88 after 2 g in water and 2 h in air**	**20** **10**	**16** **7**	**100 MW**
			A 96 after 2 g in water and 7 g in air **AL 88 after 2 g in water and 7 g in air**	**14** **11**	**8** **8**	**100 MW**
9	Adhesion strength between skim coat and insulating sheet	2.2.11		**Media (kPa)**	**Min. (kPa)**	**Break Type %**
			A 96 dry **AL 88 dry**	**20** **10**	**16** **7**	**100 MW**
			A 96 after hygro-thermal cycles **AL 88 after hy-grothermal cycles**	**14** **11**	**8** **8**	**100 MW**
			After freeze-thaw cycles	**Test not performed because the system is withsidered resistant**		
11	Tensile strength of thermal insulation panel	2.2.9	**≥ 7.5 kPa**			
12	Shear Strength and Shear Modulus of Thermal Insulation Panel for Bonded System	2.2.10	**Shear strength ≥ 20 kPa** **Cutting modulus ≥ 1000 kPa**			
14	Pull-through resistance	2.2.12	**Dowels in the centre of the panel: Rpanel med ≥ 0.45 kN** **Dowels in the center of the panel: Rpanel min ≥ 0.4 N** **Dowels on the joints: Medium Rjoint ≥ 0.4 kN** **Dowels on the joints: minimum Rjoint ≥ 0.4 kN** **After ageing: Medium Rjoint ≥ 0.4 kN** **After ageing: minimum Rjoint ≥ 0.4 kN**			
15	Static foam block test	2.2.13	**NPD**			
16	Improved airborne sound insulation	2.2.14	**NPD**			
17	Thermal withductivity and thermal resistance	2.2.15	**R ≥ 1 m²K/W**			
18	Emission of hazardous substances	-	**See safety data sheet for individual products**			

8. Not applicable

The performance of the product identified above is in withformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) n.305/2011, under the sole responsability of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Dr. Samuele Beraldo

Research & Development and Quality Direction – Inorganic Products Manager

Spresiano (TV), 25/11/2025

FASSATHERM PLUS

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