

Report No.: 066983-001-a		Receipt date: June 5 th of 2017 Test end date: October 17 th of 2017 Report emission date: October 23 th of 2017
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Client:	REVESTIMIENTOS TÉCNICOS SOSTENIBLES, S.L.	
Contact person:	Iván Walter	
Address:	Polígono industrial el Torno, C/ Alfareros nº 9	
Town:	41710 Utrera (Sevilla)	

Theoretical performance: 116 g/m² per hand
 Application: 3 hands: 1st hand diluted to 10%
 2nd hand diluted to 5%
 3rd hand diluted to 5%

REFERENCE	STANDARD	TITLE	RESULT	SPECIFICATION ACCORDING TO UNE-EN 1504-2:2005
ZERAMIC EXTREM Microesferas ceramic líquida RF. 3105171	UNE-EN 1062-6:2003	Determination of carbon dioxide permeability	i (g/m ² d) = 2.0916 ± 0.284 S_D (m) = 120 ± 15 μ = 613925 ± 82321	$S_D > 50$ m

Nature of the substrate: Fiber cement of 10 mm of thickness
 Conditioning method: paragraph 4.3 of the standard UNE-EN 1062-11:2003
 Test method: A
 Average film thickness a: (196 ± 4) μm

REFERENCE	STANDARD	TITLE	SAMPLE	w kg/(m ² ·h ^{0,5})	SPECIFICATION ACCORDING TO UNE-EN 1504-2:2005
ZERAMIC EXTREM Microesferas ceramic líquida RF. 3105171	UNE-EN 1062-3:2008	Determination of liquid water permeability	1	0.0264	$w < 0.1 \text{ Kg/m}^2 \cdot \text{h}^{0,5}$
			2	0.0186	
			3	0.0262	
			Average	0.0235	
			Standard deviation	0.0044	

Nature of the substrate: calcium carbonate bricks

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REFERENCE	STANDARD	TITLE	SAMPLE	σ (N/mm ²)	BREAKAGE TYPE	SPECIFICATION ACCORDING TO UNE-EN 1504-2:2005
ZERAMIC EXTREM Microesferas ceramic líquida RF. 3105171	UNE-EN 1542:2000	Measurement of bond strength by pull-off	1	1.91	20% substrate failure + 80% adhesive paint-holder	Rigid systems: ≥ 1.0 (0.7) ^b N/mm ² . (Without traffic loads) and: ≥ 2.0 (1,5) ^b N/mm ² (With traffic loads) Flexible systems: ≥ 0.8 (0.5) ^b N/mm ² (Without traffic loads) and ≥ 1.5 (1.0) ^b N/mm ² (With traffic loads)
			2	2.05	25% substrate failure + 75% adhesive paint-holder	
			3	1.65	15% substrate failure + 85% adhesive paint-holder	
			Average	1.87		
			Standard deviation	0.20		

^b: The value in parentheses is the smallest value accepted in any reading

Measuring Equipment used: Instron dynamometer model 5569

Load cell 50 KN

Steel pod: ϕ 50 mm

Thickness 30 mm

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REFERENCE	STANDARD	TITLE	SAMPLE	WATER VAPOR TRANSMISSION SPEED V (g/m ² x day)	EQUIVALENT AIR LAYER THICKNESS s _D (m)	SPECIFICATION ACCORDING TO UNE-EN 1504-2:2005
ZERAMIC EXTREM Microesferas ceramic líquida RF. 3105171	UNE-EN ISO 7783:2012	Determination of water-vapour transmission properties, cup method	1	17.37	1.1744	Class I: s _D <5 m (water vapour permeable)
			2	14.43	1.4133	
			3	18.14	1.1247	Class II 5m≤ s _D ≤50m Class III s _D >50m (water vapour impermeable)
			Average	16.65	1.24	
			Standard deviation	1.95	0.15	

Nature of the substrate: Fiber cement
 Test method: wet capsule
 Average film thickness: (220 ±3) µm
 Conditioning: 3 cycles: 24 hours in water at 23°C
 24 hours at 50°C in an oven
 Temperature and humidity during the test: (23 ± 2)°C, (50 ± 5)% h.r.



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