

Ostuni, 09.12.2019

TEST REPORT	ML032/19
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Ref. Entry report	n. 503 of 25.10.2019
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CLIENT	Company NIKKOLOR ITALIA s.r.l. Viale Vittorio Veneto, 186 96014 Florida (SR) Italy
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SUBJECT OF THE TESTS	a) Test methods for screed materials - Part 2: Determination of the flexural and compressive strength. UNI EN 13892-2 b) Test methods for screed materials - Part 8: Determination of the bond strength. UNI EN 13892-8 c) Rapid deformation tests (impact resistance) - Part 1: Test with falling mass with large surface punch. UNI EN ISO 6272-1 d) Paint products and systems for external masonry and concrete - Determination and classification of the degree of transmission of liquid water (permeability). UNI EN 1062-3
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TYPE SAMPLE DECLARED BY THE CUSTOMER:	Continuous coating system for floors and walls. Composed of three products: - BETON KA + KB (primer) - CEMENTO 3D (finish) - DECOR FINISH (transparent paint)
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DELIVERY DATE OF SAMPLES	11.11.2019
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DATE OF END OF TESTS	05.12.2019
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(this test report consists of 5 pages)

TEST RESULTS

TEST METHODS OF SCREED MATERIALS - PART 2: DETERMINATION OF THE STRENGTH TO FLEXION AND COMPRESSION.

(UNI EN 13892-2)

Laboratory temperature	21 °C
Relative humidity of the laboratory	65 %
Tests carried out on the sample	CEMENTO 3D
Specimen dimensions	40x40x160 mm

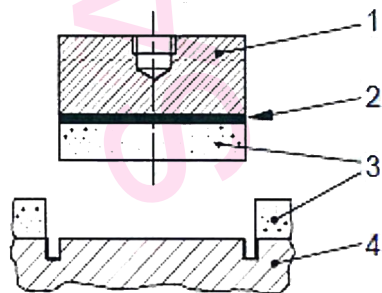
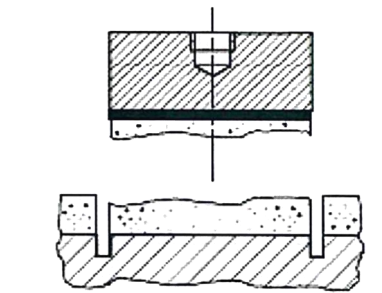
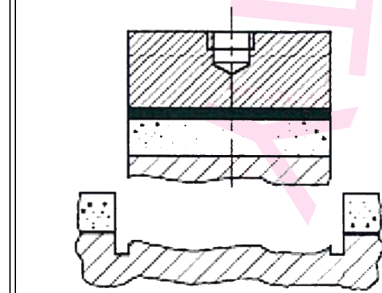
Audition	Flexural strength		Compressive strength	
	Load maximum (<i>F_f</i>) [N]	Resistance (<i>R_f</i>) [N/mm ²]	Load maximum (<i>F_c</i>) [N]	Resistance (<i>R_c</i>) [N/mm ²]
1	248,3	5,82	2847,0	17,79
			2891,0	18,07
2	250,4	5,87	2826,0	17,66
			2951,0	18,44
3	225,4	5,28	2762,0	17,26
			3009,0	18,81
Average	241,4	5,66	2881,0	18,01

METHOD OF TESTING SCREED MATERIALS - PART 8: DETERMINATION OF THE ADHESION FORCE.

(UNI EN 13892-8)

Laboratory temperature	21 °C
Relative humidity of the laboratory	65 %
Tests carried out on the application system in the following way:	1st coat: BETON KA + KB (primer) 1 layer 2nd coat after 24 hours: 3D CEMENT (2-layer finish) 3rd coat after 28 hours: DECOR FINISH (transparent paint) 3 layers
Specimen size	50x50 mm

Audition n °	Test area (mm ²)	Force applied (N)	Resistance to adhesion (Mpa)	Type of posting
1	2501,0	2546	1,02	50%X/Y - 50%Y
2	2500,0	2265	0,91	100%X/Y
3	2501,0	2162	0,86	100%X/Y
4	2498,0	2766	1,11	80%X/Y - 20%Y
5	2500,0	2933	1,17	50%X/Y - 50%Y
Average	2500,0	2534	1,01	

Type of fracture X/Y	Type of fracture Y	Type of fracture X
Cohesion Fracture - Fracture at the interface between the multilayer system and the support. The test value is equal to the bond strength	Cohesion Fracture - Fracture within the multilayer system itself. The bond strength is greater than the test value	Cohesion fracture - Fracture of the support. The bond strength is greater than the test value
		
Legend 1 Extraction plates; 2 Layer of adhesive; 3 Multilayer system; 4 Concrete substrate		

RAPID DEFORMATION TESTS (IMPACT RESISTANCE) - PART 1: TEST WITH FALLING MASS WITH LARGE SURFACE PUNCH.

(UNI EN ISO 6272-1)

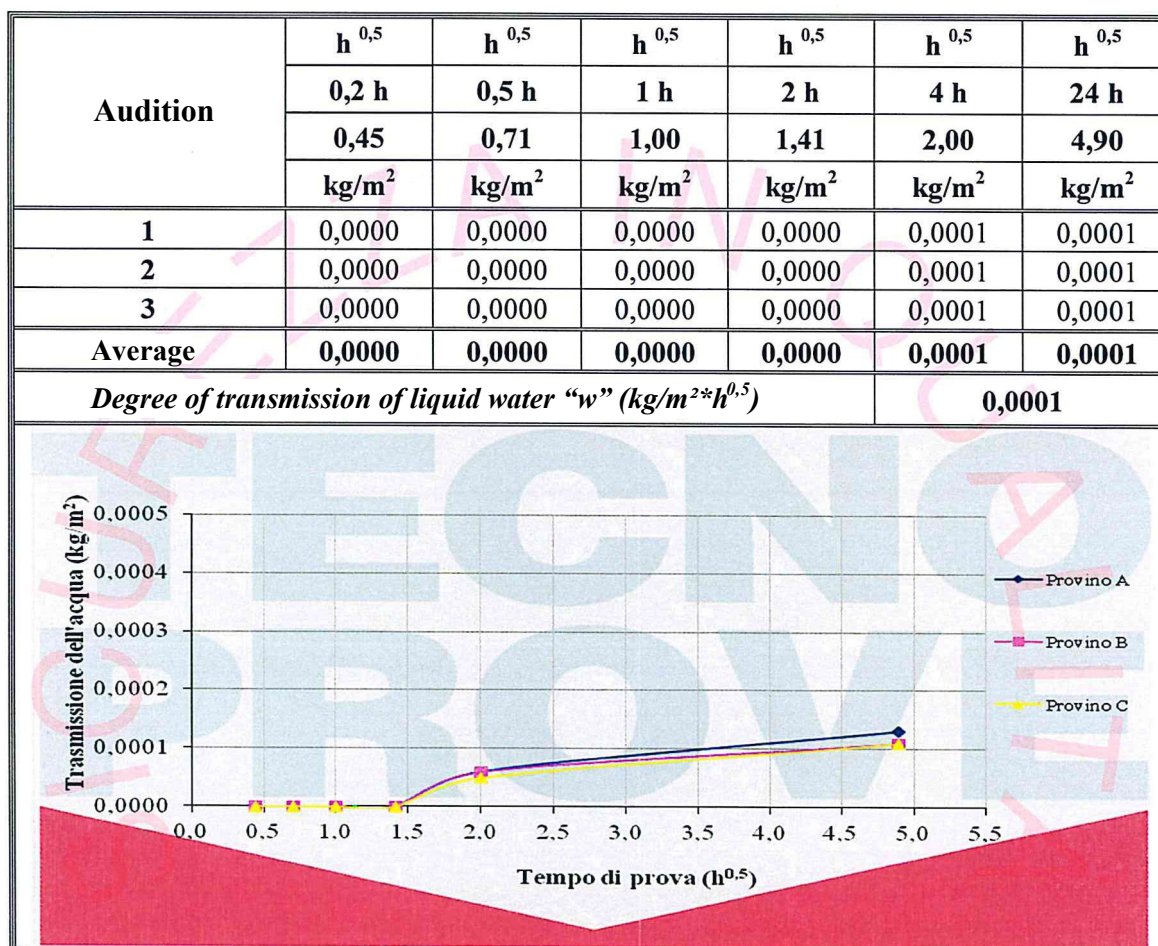
Laboratory temperature	21 °C
Relative humidity of the laboratory	65 %
Tests carried out on the application system in the following way:	1st coat: BETON KA + KB (primer) 1 layer 2nd coat after 24 hours: 3D CEMENT (2-layer finish) 3rd coat after 28 hours: DECOR FINISH (transparent paint) 3 layers
Specimen size	300x300 mm

	Load
	1,02353 kg
Height (m)	Nm
0,025	0,25
0,050	0,50
0,075	0,75
0,100	1,00
0,125	1,26
0,150	1,51
0,175	1,76
0,200	2,01
0,225	2,26
0,250	2,51
0,275	2,76
0,300	3,01⁽¹⁾
⁽¹⁾ Failure of the specimen surface	

PAINTS AND VARNISHES - PRODUCTS AND SYSTEMS FOR PAINTING EXTERNAL WALLS AND CONCRETE. DETERMINATION AND CLASSIFICATION OF THE DE- GREE OF TRANSMISSION OF LIQUID WATER (PERMEABILITY)

(UNI EN 1062-3)

Laboratory temperature	21 °C
Relative humidity of the laboratory	65 %
Tests carried out on the application system in the following way:	1st coat: BETON KA + KB (primer) 1 layer 2nd coat after 24 hours: 3D CEMENT (2-layer finish) 3rd coat after 28 hours: DECOR FINISH (transparent paint) 3 layers
Specimen size	Area 240 cm ² Overall height between multilayer system and support: 2,8 mm



Il Tecnico Sperimentatore
(Vincenzo Parisi)

La Direzione del Laboratorio
(dott. ing. Salvatore Molentino)