



ISTITUTO DI RICERCHE E COLLAUDI

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Organismo Notificato CE 0068 - Accreditato ACCREDIA SGQ N. 047A - PRS N. 083C - PRD N. 112B

Autorizzazioni:

Ministero delle Infrastrutture e dei Trasporti per legge 1086 - Ministero dell'Università e della Ricerca Scientifica e Tecnologica per Legge 46/82 -
Ministero dello Sviluppo Economico - Ministero dell'Interno per prove reazione al fuoco, estintori portatili e carrellati -
Ministère Française de l'Industrie, de la Poste et des Télécommunications per pentole a pressione e verifiche di sorveglianza alla produzione

Certificazione di prodotto - Controlli non distruttivi - Prove tecnologiche - Termografia - Prove termotecniche - Rilievi estensimetrici - Prove calcestruzzi - Geotecnica
Analisi chimica - Agroalimentare - Cosmesi - Metallografia - Microscopia elettronica - Sicurezza - Ecologia - Controllo qualità - Ricerche - Consulenze

TEST REPORT No. 0904-2012

-English translation of the original Italian document dated 19/06/2012-

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<i>Applicant</i>	NORD RESINE S.p.A. Via Fornace Vecchia, 79 - 31058 Susegana (TV) - ITALY	
<i>Product</i>	Resin flooring (thickness 3 mm)	
<i>Name</i>	LITOSCREED (version: finishing with NORDPUR SW TRASPARENTE)	
<i>Required tests</i>	Fire classification of construction products and building elements	
<i>Standard reference</i>	UNI EN 13501-1:2009	
<i>Testing date</i>	15/06/2012	
<i>Testing method</i>	UNI EN ISO 11925-2:2010 - UNI EN ISO 9239-1:2010 <u>Used substrated:</u> fiber cement Specimens conditioned according to UNI EN 13238:2010 Tests performed after treatment according to UNI EN 14041:2004	
<i>Test result</i>	see details on pages 2 and 3	
<i>Result</i>	Classification UNI EN 13501-1:2009	
	Fire Behaviour	Smoke production
	B_{fl}	s1
<i>Laboratory Technician</i>	Per. Ind. Maurizio Biagini	
<i>Technical Manager</i>	Dott. Ing. Sergio Tosi	

This test report refers only to the tested products and it can be reproduced only in its full version.

Order: letter dated 25/06/14



UNI EN ISO 11925-2:2010

Position: vertical coated to the constructive elements of non-combustible

Preparation: cl. 4.1.3 standard UNI EN 14041:2004

	Specimen	Flame application time								Aim 150 mm		Dripping	
		15 sec				30 sec							
		Trigger sample		Trigger paper		Trigger sample		Trigger paper		yes	no	yes	no
		yes	no	yes	no	yes	no	yes	no				
EXPOSED SIDE	1		X		X						X		X
	2		X		X						X		X
	3		X		X						X		X
	4		X		X						X		X
	5		X		X						X		X
	6		X		X						X		X
EXPOSED EDGE	1												
	2												
	3												
	4												
	5												
	6												

NOTE: *The test results are related to the behavior of the test specimens of a product under the particular conditions of test; are not intended as the sole criterion for assessing the potential fire hazard of the product in its use.*



UNI EN ISO 9239-1:2010

	<i>Average value</i>	<i>Specimen 1</i>	<i>Specimen 2</i>	<i>Specimen 3</i>
Ignition time (sec)	118,3	0	355	0
Turn off time (sec)	367,7	0	1103	0
Extension flame (mm)	50,0	0	150	0
Critical off heat flux (kW/mq)	>10,9	>10,9	10,11	>10,9
Heat flux HF-10 (kW/mq)	>10,9	>10,9	10,70	>10,9
Heat flux HF-20 (kW/mq)	>10,9	>10,9	10,11	>10,9
Heat flux HF-30 (kW/mq)	>10,9	>10,9	10,11	>10,9
Development flame at 10 min (mm)	33,3	0	100	0
Development flame at 20 min (mm)	50,0	0	150	0
Development flame at 30 min (mm)	50,0	0	150	0
Max light attenuation measured (%)	6,81	4,19	8,14	8,09
Total fumes (% min)	19,82	19,28	23,07	17,12

RESULT

mm	Specimen 1		Specimen 2		Specimen 3	
	Time (sec)	Flux (kW/mq)	Time (sec)	Flux (kW/mq)	Time (sec)	Flux (kW/mq)
60	0	11,2	480	11,2	0	11,2
110		10,6	786	10,6		10,6
160		10,0		10,0		10,0
210		9,3		9,3		9,3
260		8,4		8,4		8,4
310		7,5		7,5		7,5
360		6,3		6,3		6,3
410		5,3		5,3		5,3
460		4,5		4,5		4,5
510		3,6		3,6		3,6
560		3,1		3,1		3,1
610		2,6		2,6		2,6
660		2,3		2,3		2,3
710		2,0		2,0		2,0
760		1,8		1,8		1,8
810		1,5		1,5		1,5
860		1,3		1,3		1,3
910		1,2		1,2		1,2

Note: * naturally extinct before the aim
tests performed after treatment according to UNI EN 14041 pt. 4.1.3

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