



COMMERCIAL TESTING COMPANY

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WA Quality Standard for Polymer Coated Fabric Wallcovering

W-101 (2013)

Novelio T8021 N Pure – Almond

Report Number 16-05066

Test Number 4808-8428

May 9, 2016

Saint Gobain Adfors
La Defense, France

Commercial Testing Company

(Authorized Signature)

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INTRODUCTION

This report is a presentation of results of an evaluation of wallcovering submitted by Saint Gobain Adfors, La Defense, France. The client submitted a sample of fiberglass wallcovering identified as **Novelio T8021 N Pure – Almond**.

The evaluation was done in accordance with the W-101 (2013), *Quality Standard for Polymer Coated Fabric Wallcovering*. The purpose of the standard is to establish nationally recognized quality standards for polymer coated fabric wallcovering for institutional and commercial use, and to provide producers, distributors, and users with a basis for a common understanding of the characteristics of the product. It sets forth quality standards and test methods for measuring the properties of polymer coated fabric wallcovering.

The Standard covers three types based upon specific physical test requirements: Type I – Light Duty, intended for use in areas of low wear; Type II – Medium Duty, intended for use in areas of medium wear; and Type III – Heavy Duty, intended for use in areas of heavy wear.

NOTE: The standard also provides two Classes based on ASTM Test Method E84 data: Class A – Flame Spread Index of 0–25 inclusive and Smoke development of 0–50 inclusive; Class B – Flame Spread Index of 26–75 inclusive and Smoke development of 0–100 inclusive.

Unless otherwise specified, the flame spread and the smoke development testing shall be conducted on glass reinforced cement board (GRC) or equivalent. Materials that meet the requirements of NFPA 286, are exempt.

PHYSICAL TEST REQUIREMENTS

	Type I Light Duty	Type II Medium Duty	Type III Heavy Duty
Breaking Strength, lbf (min)			
Machine Direction	30	50	95
Cross Machine Direction	30	50	95
Tearing Strength, Scale Reading (min)			
Machine Direction	12	25	50
Cross Machine Direction	12	25	50
Coating Adhesion, lbf for 1" width	2	3	3
Colorfastness to Light	200	200	200
Blocking, scale rating (max)	2	2	2
Croaking, scale rating (min)	Good	Good	Good
Cold Crack Resistance, -20°F	No Change	No Change	No Change
Heat Aging, 7 days at 158°F	Note 1	Note 1	Note 1
Shrinkage, % (max)			
Machine Direction	2	2	2
Cross Machine Direction	1	1	1.5
Stain Resistance, Reagents	1 — 9 (Note 2)	1 — 12 (Note 2)	1 — 12 (Note 2)
Washability, cycles (min)	100	100	100
Scrubbability, cycles (min)	200	300	500

Note 1: The specimen shall not become stiff, brittle, discolored, or show loss of grain.

Note 2: Stain Resistance

Reagent	Reagent	Reagent
(1) 75°F distilled water	(5) 1% NaOH solution	(9) orange juice
(2) 120°F distilled water	(6) 5% HCl	(10) butter
(3) 50% ethyl alcohol	(7) standard soap solution	(11) catsup
(4) vinegar (3% acetic acid)	(8) detergent solution	(12) tea

MATERIAL TESTED AND TEST DATA

The client submitted a sample of fiberglass wallcovering identified as **Novelio T8021 N Pure – Almond**.

	Test Data	Test Result
Breaking Strength, lbf (min)		
Machine Direction	160	Type III. Heavy Duty
Cross Machine Direction	94	Type II. Medium Duty
Tearing Strength, Scale Reading (min)		
Machine Direction	92.5	Type III. Heavy Duty
Cross Machine Direction	87.7	Type III. Heavy Duty
Coating Adhesion, lbf for 1" width		
Machine Direction	n/a	n/a
Cross Machine Direction	n/a	n/a
Colorfastness to Light	Pass	Type III. Heavy Duty
Blocking, scale rating (max)	2	Type III. Heavy Duty
Croaking, scale rating (min)	Good	Type III. Heavy Duty
Cold Crack Resistance, -20°F	Fail	Unclassifiable
Heat Aging, 7 days at 158°F	No Change	Type III. Heavy Duty
Shrinkage, % (max)		
Machine Direction	- 0.079	Type III. Heavy Duty
Cross Machine Direction	+ 0.108	Type III. Heavy Duty
Stain Resistance	11 of 12 Pass	Type I. Light Duty
Washability, cycles (min)	Pass	Type III. Heavy Duty
Scrubbability, cycles (min)	Pass	Type III. Heavy Duty
Flame Spread Index	Class A	Type III. Heavy Duty
Smoke Developed Index	Class A	Type III. Heavy Duty

TYPE AND CLASSIFICATION

Based on the overall test results obtained for the fiberglass wallcovering identified as **Novelio T8021 N Pure – Almond**, the material is Unclassifiable.