



EnviroScape Mural®

pre-pasted printable wallcovering material



EnviroScape Mural® is a PVC free wall, window or hard surface scaping product that is pre-pasted with a water activated adhesive backing system, making it easy to install and just as easy to remove, while supporting LEED credit certification for green building applications.

To achieve sustainable advantage over traditional pressure sensitive vinyl materials, this high performance and dimensionally stable product is fiber based and incorporates 10% post-consumer waste in its construction.

EnviroScape Mural® is available in Smooth or Textured, for a unique embossed surface finish.

Installation: Spray water to the back of the sheet until thoroughly saturated. Gently fold the sheet with adhesive parts facing each other to keep moist and allow adhesive paste to activate. Set aside for one minute.

Unfold sheet and place onto a wall from top to bottom. Carefully smooth out bubbles and creases using a broad smoothing brush, not a squeegee, from the middle of the sheet out.

If necessary, spray again with water around the edges during the entire process. Allow surface to dry to the touch and wipe off any excess adhesive using a damp cloth or sponge. Wait for mural to dry completely and trim if necessary using a straight knife with a fresh blade tip.

Removal: Spray the surface with water to allow paste adhesive to relax for easier removal. Start from top to bottom, drawing the product back on itself at a 180° degree angle. Spray with more water if necessary. Use a wet cloth to remove any remaining adhesive from surface.

Printability: UV, Latex, Offset, Screen

Choose your GREEN resource from a leading solutions provider.

APPLICATIONS

- Murals
- Wall décor
- Pole wrap
- POP signage
- Window signage

PRODUCT SAFETY

- ASTM E-84 Fire Rating



70 Front Street, West Springfield, MA 01089 888-977-5050



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EnviroScape Mural®

pre-pasted printable wallcovering material



Technical Data				
Caliper	Basis Weight (gsm)	Smoothness / Sheffield	Brightness %	Opacity
10 pt / 10 mil	280	< 30	88+	97%

These are typical values of the product as produced representing a manufacturing range. Slight variations may occur during the manufacturing process.

Availability	
Size	Core
50" x 150' / 127cm x 45.7m	3"
50" x 300' / 127cm x 91.4m	3"

Commercial sizes available upon request. Call for a quote.



70 Front Street, West Springfield, MA 01089
 US & CANADA: 888-977-5050 INTERNATIONAL: 413-533-0338

www.neenahpaper.com/fibermark



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Manufactured
 With
 Recycled Fiber

MADE IN THE USA



COMMERCIAL TESTING COMPANY

1215 South Hamilton Street • Dalton, GA 30720
Telephone (706) 278-3935 • Facsimile (706) 278-3936

Standard Method of Test for
Surface Burning Characteristics of Building Materials

ASTM E 84-10

EnviroScape Mural™ Plus!

Report Number 11-02218

Test Number 4192-2104-0211R

February 21, 2011

ConVerd
East Longmeadow, Massachusetts

Commercial Testing Company

(Authorized Signature)

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. The test results presented in this report apply only to the samples tested and are not necessarily indicative of apparent identical or similar materials. Sample selection and identification were provided by the client. A sampling plan, if described in the referenced test procedure, was not necessarily followed. This report, or the name of Commercial Testing Company, shall not be used under any circumstance in advertising to the general public.

TESTED TO BE SURE®
Since 1974

INTRODUCTION

This report is a presentation of results of a surface flammability test on a material submitted by ConVerd, East Longmeadow, Massachusetts.

The test was conducted in accordance with the ASTM International fire test response standard E 84–10, *Surface Burning Characteristics of Building Materials*, sometimes referred to as the Steiner tunnel test. This test is applicable to exposed surfaces such as walls and ceilings. The test is conducted with the specimen in the ceiling position with the surface to be evaluated exposed face down to the ignition source. The ASTM E 84 test method is the technical equivalent of NFPA No. 255 and UL No. 723.

This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire-hazard or fire-risk assessment of materials, products, or assemblies under actual fire conditions.

PURPOSE

The purpose of the test is to provide only the comparative measurements of surface flame spread and smoke development of materials with that of select grade red oak and fiber-reinforced cement board, Grade II, under specific fire exposure conditions. The test exposes a nominal 24-foot long by 20-inch wide test specimen to a controlled air flow and flaming fire adjusted to spread the flame along the entire length of a red oak specimen in 5.50 minutes. During the 10-minute test duration, flamespread over the specimen surface and density of the resulting smoke are measured and recorded. Test results are calculated relative to red oak, which has an arbitrary rating of 100, and fiber-reinforced cement board, Grade II, which has a rating of 0.

The test results are expressed as Flame Spread Index and Smoke Developed Index. The Flame Spread Index is defined in ASTM E 176 as “a number or classification indicating a comparative measure derived from observations made during the progress of the boundary of a zone of flame under defined test conditions.” The Smoke Developed Index, a term specific to ASTM E 84, is defined as “a number or classification indicating a comparative measure derived from smoke obscuration data collected during the test for surface burning characteristics.” There is not necessarily a relationship between the two measurements.

The method does not provide for measurement of heat transmission through the surface tested, the effect of aggravated flame spread behavior of an assembly resulting from the proximity of combustible walls and ceilings, or classifying a material as noncombustible solely by means of a Flame Spread Index.

The zero reference and other parameters critical to furnace operation are verified on the day of the test by conducting a 10-minute test using 1/4-inch fiber-reinforced cement board, Grade II. Periodic tests using NOFMA certified 23/32-inch select grade red oak flooring provide data for the 100 reference.

TEST SAMPLE

The test sample, selected by the client, was identified as **EnviroScape Mural™ Plus!**, a water activated wallscaping material with a total weight of 4.9 ounces per square yard. Three test panels, each measuring two feet wide by eight feet in length, were prepared by adhering the material to 5/8-inch thick Type X gypsum wallboard. After soaking the wallcovering in water to activate the adhesive, the material was booked 5 to 7 minutes, then placed onto the face of the gypsum board and smoothed with a brush and roller. After dead-stacking overnight, the prepared panels were transferred to storage racks and conditioned to equilibrium in an atmosphere with the temperature maintained at $71 \pm 2^\circ\text{F}$ and the relative humidity at 50 ± 5 percent. For testing, the panels were placed end-to-end on the ledges of the tunnel furnace and tested with no auxiliary support mechanism. This method of sample preparation is described in Appendix X1 of the E 84 standard, Guide to Mounting Methods, Section X1.9.4.

TEST RESULTS

The test results, calculated on the basis of observed flame propagation and the integrated area under the recorded smoke density curve, are presented below. The Flame Spread Index obtained in E 84 is rounded to the nearest number divisible by five. Smoke Developed Indices are rounded to the nearest number

divisible by five unless the Index is greater than 200. In that case, the Smoke Developed Index is rounded to the nearest 50 points. The flame spread and smoke development data are presented graphically at the end of this report.

Test Specimen	Flame Spread Index	Smoke Developed Index
Fiber-Reinforced Cement Board, Grade II	0	0
Red Oak Flooring	100	100
EnviroScape Mural™ Plus!	15	0

OBSERVATIONS

Specimen ignition over the burners occurred at 0.18 minute. Surface flame spread was observed to a maximum distance of 3.61 feet beyond the zero point at 1.72 minutes. The maximum temperature recorded during the test was 557°F.

CLASSIFICATION

The Flame Spread Index and Smoke Developed Index values obtained by ASTM E 84 tests are frequently used by code officials and regulatory agencies in the acceptance of interior finish materials for various applications. The most widely accepted classification system is described in the National Fire Protection Association publication NFPA 101 *Life Safety Code*, where:

Class A	0 – 25 Flame Spread Index	0 – 450 Smoke Developed Index
Class B	26 – 75 Flame Spread Index	0 – 450 Smoke Developed Index
Class C	76 – 200 Flame Spread Index	0 – 450 Smoke Developed Index

Class A, B, and C correspond to Type I, II, and III respectively in other codes. They do not preclude a material being otherwise classified by the authority of jurisdiction.

ASTM E 84 TEST DATA

Client: ConVerd
Test Number: 4192-2104-0211R
Material Tested: EnviroScape Mural™ Plus!
Date: February 21, 2011

Test Results:

Time to Ignition = 00.18 minutes
Maximum Flamespread Distance = 03.61 feet
Time to Maximum Spread = 01.72 minutes

Flame Spread Index = 15
Smoke Developed Index = 0

