

MODIFIED ASTM E136 TESTING  
FOR  
US ARCHITECTURAL PRODUCTS INC.  
ON  
VERSAROC BY U.S.  
ARCHITECTURAL PRODUCTS INC.  
VTEC #100-1960  
TESTED: MAY 5, 2004

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# VTEC Laboratories Inc.

May 6, 2004

**Client:** US Architectural Products Inc.  
PO Box 1914  
Fairview, NC 28730

**Attention:** Mr. Robert Cauley

**Scope:**

This report contains the reference to the test method, conditioning of sample, description of material, and test results.

**Test Method:**

This test was conducted in accordance with ASTM E136, "Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C".

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**Material Tested:**

Supplier: US Architectural Products Inc.  
 Product Description: VERSAROC by U.S. Architectural Products Inc.  
 Specimen Dimensions: 1.5" x 1.5" x 2"  
 Color: Gray and beige  
 Sample Selection: Supplier  
 Material Description by: Supplier and VTEC  
 Date of Selection: April 2004  
 Purpose of Test: Combustion Characteristics  
 Special Preparation: The specimen was made up of three 2" x 1.5" x 0.5" pieces.

**Conditioning:**

The specimens were conditioned according to the ASTM E136 specification.

**Results:**

The conditions for passing the test are as follows:

At least three of the four specimens tested exhibit:


1. Less than 50% weight loss
2. No flaming after the first 30 seconds
3. Final center and surface temperatures must be less than 30°C above the furnace starting temperature (750°C)

Sample #	Weight Before (grams)	Weight After (grams)	Final Center Temperature (deg.C)	Final Surface Temperature (deg.C)	Weight Loss (percent)	Flaming After First 30 Seconds?
1	86.4	62.9	285	722	27.2%	No
2	81.3	57.2	577	734	29.6%	No
3	82.9	60.7	378	680	26.8%	No
4	84.4	60.2	506	722	28.7%	No
<b>Average:</b>	<b>83.8</b>	<b>60.3</b>	<b>437</b>	<b>715</b>	<b>28.1%</b>	

The material provided met all passing criteria for 10 minutes as specified by ASTM E136.

Modification: The test was stopped after 10 minutes.

  
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 Neil Schultz  
 Executive Director

  
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 Amirudin Rahim  
 Technical Director