



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com

Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problems



United States Testing Company, Inc.

291 FAIRFIELD AVENUE • FAIRFIELD, NEW JERSEY 07004 • 201-576-6252 • Fax: 201-576-8271

REPORT OF TEST

REPORT: 107025-3

DATE: 3/22/93

PAGE: 1 of 3

CLINT: Rendered by Manufacturer
and Released to:
Acoustical Surfaces, Inc.
123 Columbia Court North, Suite 201
Chaska, MN 55318

Attn: Howard Routson

REFERENCE:
ESS Pollution Control Products Inc. Purchase Order No. 2258-DB
by Howard Routson.

SAMPLE IDENTIFICATION:
One (1) set of samples was submitted and identified by the client
as "ESS NDM-2-S" (VBD-5).

TEST PERFORMED AND RESULTS:
Flaming and smoldering tests were conducted in an Aminco-NBS
Smoke Density Chamber. Cat No. 4-5800.

The test parameters and results of these tests are presented in the following
tabulations.

Testing Supervised by:

Howard Barbara
Supervisor - Flammability
Textile Services

Signed for the Company By:

Dominick A Martucci
Technical Director
Textile Services

HB/lis



Member of the SGS Group (Société Générale de Surveillance)

• Biology • Chemistry • Environmental • Materials • Facilities in Principal Cities •

UNITED STATES TESTING COMPANY REPORTS ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED. AND THEY AND THE NAME OF THE UNITED STATES TESTING COMPANY, INC. OR ITS SEALS OR INSIGNIA ARE NOT TO BE USED UNDER ANY CIRCUMSTANCES IN ADVERTISING TO THE GENERAL PUBLIC AND THEIR COMMUNICATION TO ANY OTHERS OR THE USE OF THE NAME OF UNITED STATES TESTING COMPANY, INC. MUST RECEIVE OUR PRIOR WRITTEN APPROVAL. OUR REPORTS APPLY ONLY TO THE STANDARDS OR PROCEDURES IDENTIFIED TO THE TESTS CONDUCTED AND TO THE SAMPLES TESTED AND/OR INSPECTIONS MADE UNLESS OTHERWISE SPECIFIED. THE TEST AND/OR INSPECTION RESULTS ARE NOT INDICATIVE OR REPRESENTATIVE OF THE QUALITIES OF THE LOT FROM WHICH THE SAMPLE WAS TAKEN OR OF THE APPARENTLY IDENTICAL OR SIMILAR SAMPLE PRODUCTS AND NOTHING CONTAINED IN OUR REPORTS SHALL BE DEEMED TO IMPLY OR MEAN THAT UNITED STATES TESTING COMPANY, INC. CONDUCTS ANY QUALITY CONTROL PROGRAM FOR THE CLIENT TO WHOM THE REPORT IS ISSUED. SAMPLES NOT DESTROYED IN TESTING ARE RETAINED A MAXIMUM F THIRTY DAYS AT WHICH TIME THEY NAT BE SHIPPED BACK TO THE CLIENT.

• Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
• Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
• Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
• OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com

Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problems

United States Testing Company, Inc.

CLIENT: ESS

Pollution

REPORT #107025-3

Page: 3 of 3

Operating Conditions:

Radiometer Rdg. 8.78 mv; Irradiance 2.5 w/cm², G Factor 132

Thermal Exposure: Flaming

Furnace Voltage: 106

Burner Fuel: 500 cc/min. Air, 50 cc/min. Propane

	<u>#1</u>	<u>#2</u>	<u>#3</u>	
Chbr. Temp. °F. (start)	95	95	95	
Chbr. Press, Inches H ² O	Maintained Positive Under 3			
Min. Trans (Tm), %	26	32	27	
at, minutes	11.9	11.3	14.0	
Max. Spec. Opt. Dens. (Dm)	77	65	75	
Clear Beam, Dc.	3	2	2	<u>Avg.</u>
Dm, Corrected (Dmc)	74	63	73	70.0
Spec. Opt. Density at 1.5 min	2	1	1	1.3
Spec. Opt. Density at 4.0 min	20	14	18	17.3
Time to 90% DM, Min.	9.0	8.7	9.9	
Time to Ds=16, min.	3.5	4.1	3.7	
Initial Weight, grams	64.8	63.0	63.9	



Member of the SGS Group (Société Générale de Surveillance)

• Biology • Chemistry • Environmental • Materials • Facilities in Principal Cities •

UNITED STATES TESTING COMPANY REPORTS ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED. AND THEY AND THE NAME OF THE UNITED STATES TESTING COMPANY, INC. OR ITS SEALS OR INSIGNIA ARE NOT TO BE USED UNDER ANY CIRCUMSTANCES IN ADVERTISING TO THE GENERAL PUBLIC AND THEIR COMMUNICATION TO ANY OTHERS OR THE USE OF THE NAME OF UNITED STATES TESTING COMPANY, INC. MUST RECEIVE OUR PRIOR WRITTEN APPROVAL. OUR REPORTS APPLY ONLY TO THE STANDARDS OR PROCEDURES IDENTIFIED TO THE TESTS CONDUCTED AND TO THE SAMPLES TESTED AND/OR INSPECTIONS MADE UNLESS OTHERWISE SPECIFIED. THE TEST AND/OR INSPECTION RESULTS ARE NOT INDICATIVE OR REPRESENTATIVE OF THE QUALITIES OF THE LOT FROM WHICH THE SAMPLE WAS TAKEN OR OF THE APPARENTLY IDENTICAL OR SIMILAR SAMPLE PRODUCTS AND NOTHING CONTAINED IN OUR REPORTS SHALL BE DEEMED TO IMPLY OR MEAN THAT UNITED STATES TESTING COMPANY, INC. CONDUCTS ANY QUALITY CONTROL PROGRAM FOR THE CLIENT TO WHOM THE REPORT IS ISSUED. SAMPLES NOT DESTROYED IN TESTING ARE RETAINED A MAXIMUM F THIRTY DAYS AT WHICH TIME THEY NAT BE SHIPPED BACK TO THE CLIENT.

• Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
• Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
• Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
• OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted