

INDUSTRIES

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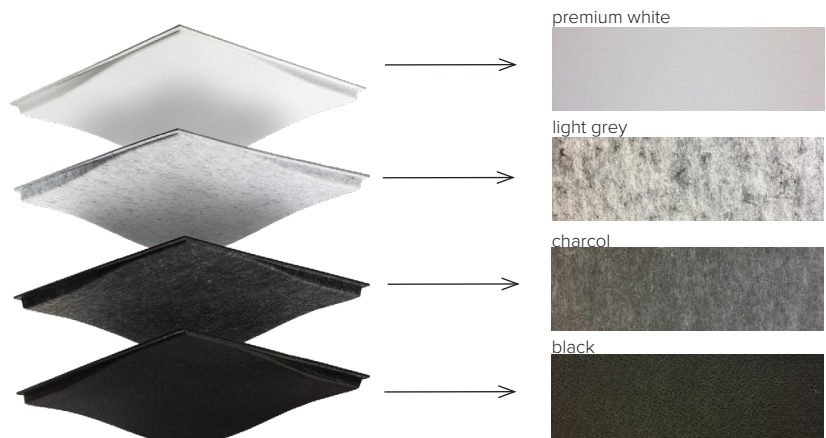
A Designer Line of Acoustic Ceiling Tiles

Ceiling tiles produced from non-woven fibers offer excellent acoustical properties while offering a variety of aesthetic

Features

- Drops in existing grid systems
- Flexible materials increase durability
- No dust during installation
- Mold & Mildew resistant
- Stain resistant and washable
- Manufactured in the U.S
- Multiple shapes available
- Class A rating for fire and smoke
- NRC of at least .75"
- 2'x2' drop ceiling grid application

In-Stock Shades



Request a quote for your next construction project at orders@unverbacoustics.com
www.unverbacoustics.com



Class A Rating for fire and smoke.
Stain resistant and washable






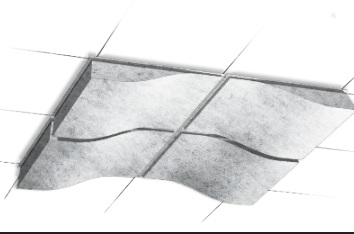
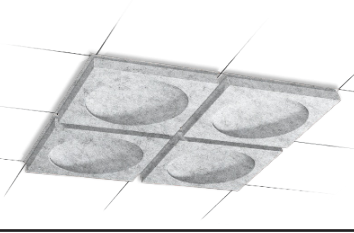
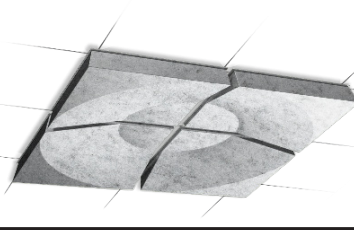
Made from 100% Non-woven PET fibers. Up to 50% of the material is recycled content



Designed, Engineered & Manufactured in the USA



Increased durability with installation into existing grid systems

Picture	Shape	2x2	Height
	Flat	23.7" x 23.7" overall 22.774" x 22.774" molding	
	1/4" Drop Machined	23.7" x 23.7" overall 22.774" x 22.774" molding	1/4" Flat = 1/4"
	1" Drop	23.7" x 23.7" overall 22.774" x 22.774" molding	1" Flat = 1"
	Linear Wave	23.7" x 23.7" overall 22.774" x 22.774" molding	1/4" to 2"
	Deep Dish	23.7" x 23.7" overall 22.774" x 22.774" molding	3" below grid 1" above grid 4" total dish depth
	Quad Circle	23.7" x 23.7" overall 22.774" x 22.774" molding	1/4" to 3"

Material Safety Data Sheet

Features

Product Name: *Plyfelt*, Molded Polyester Fiber of various weights, widths and lengths
Product Description: Needle punched PET (polyethylene terephthalate) fiber, compressed into semi rigid products

Manufacturer's Name: **Welformed**, a Division of Genesis
Products 2924 E. County Rd. 6
Elkhart, IN 46514 (U.S.A)
Emergency Phone: (574) 262-4054
Fax: (574) 262-4062
Date Prepared: January 4, 2018

Hazards Identification

No hazardous components have been used in the manufacture of this nonwoven fabric. Any trace components are significantly below threshold limit values.

Composition Information On Components

Composition: **100% PET (polyethylene terephthalate)** both virgin and recycled staple fiber products with recycled content up to 50%. This product is normally a medium black or gray color in the blended state

First Aid Measures

- Eye Contact: Flush thoroughly with clean water
- Skin Contact: Wash thoroughly with soap and warm water. Monitor for irritation.
- Treat as thermal burn if contact with molten fabric

Primary Routs of Entry:

- Inhalation: At room temperature (20-25C) there is no release of fumes from the fabric. However, during combustion or super heating of the fabric, the fabric can become an irritant due to formation of aldehydes.
- Skin Contact: No significant health hazards identified. Polymer dyes and/or spin finish may cause minor skin irritation.
- Ingestion: No significant health hazards identified.

Fire Fighting Measures

Flash Point: >600 degrees (F*)

Extinguishing Media: Dry Chemical, CO2, Foam, Water, Halon

Special Fire Fighting Procedure:

- Avoid inhalation of vapors
- Use self-contained breathing apparatus when fire fighting in confined areas.

Unusual fire and explosion hazards:

- Treat as a solid that can burn. Generally burns slowly with low smoke density and flaming drips. Can burn with high smoke density under certain conditions.

Material Safety Data Sheet

Accidental Release Measures

No hazards for accidental release have been determined

Handling & Storage

Practice reasonable care and caution handling.

Waste Disposal: Place in appropriate disposal facility in compliance with local regulations.

Storage: In cool, dry locations away from oxidizing materials.

Exposure Limits & Personal Protection

Use NIOSH respirators with hot/molten product or when fabric is being chopped and ground.

Protective gloves required when handling molten product.

Practice general hygiene by washing hands and clothes after handling.

Physical & Chemical Properties

Boiling Point:	Not Applicable
Vapor Pressure:	Not Applicable
Specific Gravity:	1.35 - 1.38
Melting Point:	Bi-component 110C - 180C Staple PET 250 - 260 Degrees (C*) Not
Vapor Density:	Applicable
Evaporation Rate:	Not Applicable
Solubility in Water:	Not Applicable

Stability & Reactivity

Material is stable, Hazardous polymerization will not occur.

Toxicological Information

This product has not been determined to have any toxic effects on animals or humans. Eye and skin contact should be avoided as a generally accepted good work practice.

Ecological Information

This product is not to be considered biodegradable.

Disposal Considerations

This product should be disposed of using good manufacturing and environmental guidelines.

Transport Information

Product is not considered high risk transport item

Regulatory Information

None at present

Other Information

None at the present

Results of test for 1” flat unVerb Tiles

One Third Octive Band center Frequency, HZ	One Third Octive Band center Frequency, HZ	One Third Octive Band center Frequency, HZ	One Third Octive Band center Frequency, HZ
80	0.40	0.14	0.14
100	1.10	0.15	0.27
125	0.03	0.11	0.22
160	0.70	0.11	0.23
200	1.14	0.09	0.17
250	0.90	0.07	0.15
315	1.39	0.09	0.22
400	0.63	0.14	0.16
500	0.60	0.09	0.14
630	0.80	0.06	0.14
800	0.69	0.07	0.14
1000	0.67	0.06	0.12
1250	0.73	0.05	0.13
1600	0.79	0.05	0.14
2000	0.80	0.05	0.13
2500	0.84	0.06	0.14
3150	0.87	0.08	0.15
4000	0.81	0.11	0.16
5000	0.78	0.15	0.21
Sound Absorbtion Average (SAA)	0.83	0.08	0.03

Identification

	Absorbtion Coefficients - Sabins/m ²						
	One-Third Octave Band Center Frequency, HZ						
	125	250	500	1000	2000	4000	NRC
unVerb Tiles	0.03	0.90	0.60	0.67	0.80	0.81	0.75

Accidental Release Measures

Type E-400 per ASTM Designation E795-16, “Standard Practices for Mounting Test Specimens



Accidental Release Measures

The test sample, selected by the client, was identified as Dark Grey PET, molded PET panels with a thickness of 3/16-inch. Six test panels, each measuring 23 inches wide by 48 inches in length, were received. They were physically self-supporting and required no additional sample preparation. The 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 to make up the necessary 24-foot test sample and the test conducted with no auxiliary support mechanism.

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 E84 is rounded to the nearest number divisible by 5. 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.

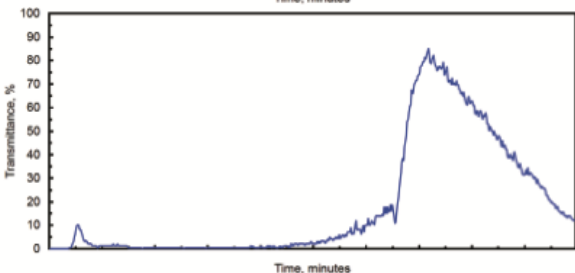
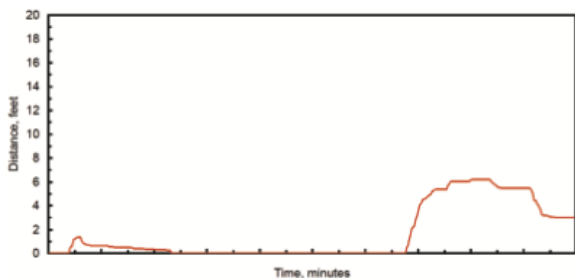
Classification

The Flame Spread Index and Smoke Developed Index values obtained by ASTM E84 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.

Classification



Test Number: 5396 - 2039
 Material Tested: Dark Grey PET
 Date: April 30, 2019

Test Results: Time to Ignition = 00.38 minutes
 Maximum Flamespread Distance = 01.22 feet
 Time to Maximum Spread = 00.60 minutes

Flame Spread Index = 5
 Smoke Developed Index = 45

