

DAMMON

ENGINEERING, INC.

554 Old Spanish Trail
Slidell, LA 70458
985.649.5832

www.dammonengineering.com
info@dammonengineering.com

Architects & Engineers

SHOP DRAWING and SAMPLE TRANSMITTAL

DATE: 6/19/2025

TO: Cheri Rush
M Natal Contractor, Inc.
P.O. Box 518
Slidell, La

FROM: Chuck Dammon

SUBMITTAL No.: 133419.001.0

REFERENCE: **STP Fire District 1 Training Center**

DE Project: 2507

WE TRANSMIT:

enclosed under separate cover _____

FOR YOUR:

use record approval
 review and comment information drafting

THE FOLLOWING:

drawing(s) contracts specifications
 shop drawings samples change order(s)
 product information warranty substitution request

# COPIES	DESCRIPTION	ACTION
Electronic	Metal Bldg Insulation	A

ACTION CODES:

- A. Reviewed/No Exceptions
- B. Reviewed/Exceptions Noted
- C. Revise and Resubmit
- G. Rejected
- D. No Action Required
- E. For Signature and Return to this Office
- F. See Remarks Below

REMARKS:

Metal Bldg Insulation

COPIES TO: File



Project: STFD No.1 New Training Facility
 34780 S. Range Road
 Slidell, Louisiana 70460

SUBMITTAL COVER SHEET

Arch. Project No: _____

MNC Project No: 830

To: Dammon Engineering, Inc.
554 Old Spanish Trail
Slidell, Louisiana 70458
info@dammonengineering.com

From: Cheri Rusich
M Natal Contractor, Inc.
P.O. Box 518
Slidell, LA 70459

Attn. David Dammon
Chuck Dammon

Sent Via E-Mail

General Contractor's Review:

M Natal Contractor, Inc.

CONTRACTOR'S REVIEW:

SUBMITTAL NO: 133419.001.0
SPEC. SEC. NO: 133419
VENDOR/SUB: Mendow Construction
DESCRIPTION: Metal Building Insulation

NO EXCEPTIONS TAKEN
FURNISH AS CORRECTED
REJECTED; RESUBMIT
PARTIAL APPROVAL; SUBMIT ADD'L ITEM(S)

Reviewing is for conformance with the design concept of the project and compliance with the information given in the Contract Documents. The Vendor/Subcontractor is responsible for dimensions to be confirmed and correlated at the site for information that pertains solely to the fabrication process or to the means, method, technician, sequences, and procedures of construction; and for coordination of the work with all trades.

BY Cheri Rusich DATE: 05/20/2025

Architect/Engineer Review:

DAMMON ENGINEERING, INC
 Date: 06-19-25 Project: Training Facility#2
 Reviewed: X
 Reviewed as noted: _____
 Revise and ReSubmit: _____
 Rejected: _____
 Other: _____

Correction or comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications. This check is only for review of the general conformance with the design concept of the project and general compliance with the information given in the contract documents. This contractor is responsible for: confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction; coordinating his or her work with that of all other trades and performing all in a safe and satisfactory manner.

Submittal item: Metal Bldg insulation
 Comments: _____

Bay Insulation of Louisiana
2525 Wooddale Blvd.
Baton Rouge, LA 70805
Phone: 225-214-1600

MEMORANDUM

DATE: 5-8-2025

TO: Mendow Construction

FROM: Bay Insulation
Chase Huffty

SUBMITTALS FOR: New Training Facility STPPD Submittals

PLEASE FIND ENCLOSED HERewith SUBMITTALS FOR THE ABOVE REFERENCED PROJECT.

PLEASE CALL THE ABOVE PHONE # TO ADVISE YOUR ANTICIPATED DELIVERY SCHEDULE. WE WILL THEN FOLLOW UP PRIOR TO THE DELIVERY DATE.

AT YOUR EARLIEST CONVENIENCE, PLEASE RETURN 1 SET OF APPROVED SUBMITTALS FOR OUR FILES.

YOUR BUSINESS IS APPRECIATED,

Chase Huffty

Bay Insulation



Bay Insulation Systems' Faced Metal Building Insulation is comprised of a resilient, light density fiberglass blanket, being NAIMA 202-96® (Rev. 2000) Insulation only, laminated to a high quality vapor retarder facing, and is compliant with the NIA Certified Faced Insulation® Standard.

Every order is custom laminated to fit your building dimensions and criteria. Each roll is individually tagged to identify its intended location in the building roof, sidewalls and endwalls.

FEATURES

Bay Insulation Systems Faced Metal Building Insulation is made-to-order, specifically for your pre-engineered metal building system. Each roll is custom cut to fit the building roof and walls.

PHYSICAL PROPERTIES

(Faced Metal Building Insulation Composite Material)

Property	Test Method	Value
Thickness & Thermal Resistance	ASTM C167, ASTM C177 / C518 *Home Innovations Lab Certified	3.0" - R10 3.5" - R11 — Roof 4.0" - R13 — Walls 5.0" - R16 6.0" - R19 8.0" - R25 9.5" - R30
Surface Burning Characteristics	UL723, ASTM E84, NFPA 255 *Underwriters Lab Certified *Factory Mutual Approved ¹	Flame Spread Index <25 Smoke Developed <50 Class A / Class 1

¹ FM Approval upon request ONLY

AVAILABLE SIZES

R-Value	Nominal Thickness ²	Standard Widths ³	Lengths
R-10	3.0"	36", 48", 60", 72"	Custom laminated to length.
R-11	3.5"	36", 48", 60", 72"	Custom laminated to length. — Roof
R-13	4.0"	36", 48", 60", 72"	Custom laminated to length. — Walls
R-16 ⁴	5.0"	36", 48", 72"	Custom laminated to length.
R-19	6.0"	36", 48", 60", 72"	Custom laminated to length.
R-25	8.0"	48", 60", 72"	Custom laminated to length.
R-30	9.5"	48", 60", 72"	Custom laminated to length.

² Thicknesses are post-laminated and may vary slightly based on insulation manufacturer ³ Custom widths also available
⁴ Special order item; minimum order quantities may apply

TECHNICAL INFORMATION

Bay Insulation Systems Faced Metal Building Insulation is manufactured in compliance with ASTM C991-16 (Type II), "Standard Specification for Flexible Fibrous Glass Insulation for Metal Buildings" and the NIA Certified Faced Insulation® Standard.

Bay Insulation Systems Faced Metal Building Insulation uses only NAIMA 202-96® Insulation. To ensure compliance with the NIA Certified Faced Insulation® Standard, as well as FTC Rule 460, regular sampling and testing is performed by the National Association of Home Builders Home Innovation Research Lab in each of our facilities. The final product is labeled with the nominal R-value, and has the Home Innovation Lab Certified mark on the label.

To ensure compliance with the NIA Certified Faced Insulation® Standard, our Faced Metal Building Insulation has a Class A Fire Rating. Our Faced Metal Building Insulations have undergone the rigorous Steiner Tunnel Test at Underwriters Laboratories, per UL723/ASTM E84 and have passed for Flame Spread of less than 25 and Smoked Developed of less than 50. To further ensure that our manufactured Faced Metal Building Insulations comply on a

daily basis, Bay Insulation Systems Laminating Facilities are UL Certified. Our Faced Metal Building Insulation products are manufactured under UL's Follow-Up Program. The following Bay Metal Building Insulation products bear the UL Classification Mark for FHC 25/50:

- FSK R-3035 HD Laminated Metal Building Insulation
- Vinyl Laminated Metal Building Insulation
- WMP®-10 Laminated Metal Building Insulation
- WMP®-30 Laminated Metal Building Insulation
- WMP®-50 Laminated Metal Building Insulation
- WMP®-VR Laminated Metal Building Insulation
- **WMP®-VR-R Plus Laminated Metal Building Insulation**
- Arenashield Laminated Metal Building Insulation
- Gymguard Laminated Metal Building Insulation

Applicable Standards, Code Compliance

- NIA Certified Faced Insulation® Standard
- UL Certified FHC 25/50, Class A
- ASTM C991-16, Type II
- Factory Mutual Class 4880, *Approval Standard for Class 1 Fire Rating of Building Panels or Interior Finish Materials* - (Upon request ONLY)

FACING OPTIONS

Style	Description	NRC	PERM
White Vinyl	Bright white finish. Economical. Not recommended for cold weather applications.	-	1.00
WMP®-VR	White polypropylene film, fiberglass & polyester scrim, 11# natural kraft.	.85	0.09
WMP®-VR-R Plus	White polypropylene film, fiberglass scrim, metallized polyester film.	.80	0.02
WMP®-10	White polypropylene film, metallization, fiberglass & polyester scrim, 14# white kraft.	.85	0.02
WMP®-30	White polypropylene film, metallization, fiberglass & polyester scrim, 30# natural kraft.	.75	0.02
WMP®-50	White polypropylene film, fiberglass & polyester scrim, 30# natural kraft, metallized polyester film.	.65	0.02
WMP®-UV HD ⁵	White coating, white polypropylene film, fiberglass & polyester scrim, 30# natural kraft, metallized polyester film.	-	0.02
FSK R-3035 HD	Aluminum foil, fiberglass & polyester scrim, 30# natural kraft.	.80	0.02
RADIANT ICE ⁵	Aluminum foil, polyester film, fiberglass scrim, aluminum foil.	-	0.02
ARENASHIELD	Aluminum foil, fiberglass & polyester fabric.	.65	0.02
GYM GUARD	White polypropylene film, metallization, fiberglass & polyester fabric.	.70	0.02

*Roof
walls*

⁵ Does not bear the UL label



www.BayInsulation.com



ECOTOUCH[®] CERTIFIED R METAL BUILDING INSULATION

Owens Corning[®] EcoTouch[®] Certified R Metal Building Insulation is a light density fibrous glass blanket. EcoTouch[®] Certified R is labeled with both a pre-laminated and postlaminated R value. Standard roll widths are 36", 48", 60" and 72". Made-to-Order widths are also available in 2" increments (i.e. even number).

Features

- Certified thermal performance
- Excellent recovery provides outstanding thermal and acoustical performance
- Contains an average of 65% recycled content
- GREENGUARD Gold Certified
- Easy to handle and laminate

Standards, Codes Compliance

- ASTM C991, Standard Specification for flexible fibrous glass Insulation for metal buildings; Type I.
- NAIMA 202-96 (Rev. 2000) Standard for flexible fiberglass insulation to be laminated for use in metal buildings.
- Complies to the Class A or Class 1 Rating for Surface Burning per ASTM E84 or UL 723.

Product Applications

Owens Corning[®] EcoTouch[®] Certified R Metal Building Insulation is used as part of the insulation system in the roofs and side walls of metal buildings. It is designed to be laminated with a variety of facings to provide attractive interior finishes, abuse resistance, and assistance in control of moisture. It can also be used when unfaced insulation is required in metal building roof and wall systems.

Availability

Owens Corning[®] EcoTouch[®] Certified R Metal Building Insulation is fabricated and distributed by a nation wide network of independent laminators assuring prompt service and delivery. Contact your Owens Corning Sales Representative for the names of insulation laminators servicing your area.

Physical Properties

PROPERTY	TEST METHOD	VALUE		
		Thickness	Pre-lam.	Post-lam.
Thermal Resistance	ASTM C177/ C518	3.4"	R-10.8	R-10
		3.7"	R-11.9	R-11
		4.3"	R-14.1	R-13
		5.3"	R-17.3	R-16
		6.3"	R-20.6	R-19
		6.5"	R-21.7	R-20
		8.0"	R-27.1	R-25
		9.25"	R-32.5	R-30
		Surface Burning ¹	ASTM E84 / UL7231 CAN/ULC S102	Flame spread index < 25 Smoke developed index < 50
Combustion Characteristics	ASTM E136 CAN/ULC S114	Non-combustible		
Water Vapor Sorption	ASTM C1104 / C1104M	≤ 0.2% by volume		
Fungi Resistance	ASTM C1338	Passes		
Corrosiveness	ASTM C665, sec.13.8	Passes		
Odor Emission	ASTM C1304	Passes		
Dimensional Tolerances	ASTM C167	Length, - 0" / + ½" Width, - ¼" / + ¼"		

Roof
Walls

¹ The surface burning characteristics of these products have been determined in accordance with UL 723, ASTM E84 or CAN/ULC-S102. Values are reported to the nearest 5 rating.

Installation

Several methods are used to insulate metal buildings. The usual method is to apply the insulation over the structural members (purlins and girts) and inside the exterior panels. This method generally accommodates single layer installations. Methods are also available to apply insulation between purlins so as to accommodate greater insulation thicknesses and better thermal performance.

Certifications and Sustainable Features

- Certified by SCS Global Services to contain a minimum of 65% recycled glass content, 18% pre-consumer and 47% post-consumer.
- GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.
- Received the Cradle to Cradle Products Innovation Institute's Gold Level Material Health Certificate.



Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at www.owenscorning.com.

Disclaimer of Liability

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Owens Corning makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein. Nothing contained in this bulletin shall be considered a recommendation. SCS Global Services provides independent verification of recycled content in building materials and verifies recycled content claims made by manufacturers. For more information, visit www.SCSglobalservices.com.

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

Notes

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

OWENS CORNING INSULATING SYSTEMS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659 USA
1-800-GET-PINK®
www.owenscorning.com



SAFE USE INSTRUCTION SHEET

Creation Date 16-Dec-1997

Revision Date 21-Jun-2018

Version 3

0. GENERAL INFORMATION

This Safe Use Instruction Sheet is the document provided by Owens Corning to communicate recommended safe handling and use instructions for manufactured articles neither regulated by OSHA Hazard Communication Standard, 29 CFR 1910.1200 nor by the Canada Hazardous Products Regulation SOR/2015-17 (WHMIS 2015)

1. IDENTIFICATION

Product Name	Fiberglass Insulation Made With PureFiber® Technology Unfaced Products
Synonyms	Acoustical Backing Board, Attic Door Insulator, Attic Hatch Insulator, Basement Blanket, R-13 Basement Finishing System™, Batts in Bags, Cathedral Batt Insulation, Cavity Wall, Certified R, EcoTouch®, Extended Flange 25, Flame Spread 25 Hi-Perm Residential/Commercial Insulation, Insulation Batts & Rolls, Insulation for Flexible Duct, Manufactured Housing Insulation, MBI Plus, Metal Building Insulation, Metal Building Utility Blanket, Metal Framing Batts, Metal Framing Insulation, NOISE Stop Blanket, PINK® Insulation, PROPINK® Fast Batt®, QuietZone® Acoustic Batt, Sonobatts®, Aishogor, Aislacoustic™, Deco SKY™, RA Series Insulation, UtiliCore® HP5
Product Code	OCIS00026
Recommended Use	Insulation
Manufacturer Address	Owens Corning Insulating Systems, LLC One Owens Corning Parkway Toledo, Ohio 43659
Company Phone Number	1-800-GET-PINK or 1-800-438-7465
24 Hour Emergency Phone Number	Chemtrec 1-800-424-9300 or 1-703-741-5970 CCN17393
Emergency Telephone	1-419-248-5330 (after 5 pm ET and weekends)
E-mail address	safetydatasheet@owenscorning.com
Company Website	http://owenscorning.com/

2. HAZARDS IDENTIFICATION

Regulatory Status	<p>This product is considered an article. 29 CFR 1910.1200(c) definition of an article is as follows: "Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees</p> <p>Manufactured articles which meet the definition of the Canadian Hazardous Products Act (any article that is formed to a specific shape or design during manufacture, the intended use of which when in that form is dependent in whole or in part on its shape or design, and that, when being installed, if the intended use of the article requires it to be installed, and under normal conditions of use, will not release or otherwise cause an individual to be exposed to a hazardous product) are not regulated by the Canadian Hazardous Products Regulation SOR/2015-17</p>
--------------------------	--

Other Information May cause temporary skin and mucous membranes itching due to the mechanical abrasion effect of fibers

3. COMPOSITION/INFORMATION ON INGREDIENTS

Comments The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

Description of First Aid Measures

- Eye contact**
- DO NOT rub or scratch eyes
 - Rinse thoroughly with plenty of water, also under the eyelids
 - If symptoms persist, call a physician
 - Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
 - If eye irritation persists: Get medical advice/attention
- Skin contact**
- If skin irritation persists, call a physician
 - Wash off immediately with plenty of water
 - Wash off immediately with soap and plenty of cold water
 - DO NOT use warm water because this will open up the pores of the skin, which will cause further penetration of fibers and dust
 - Use a wash cloth to help remove fibers and dust
 - DO NOT rub or scratch affected area
 - Remove contaminated clothing and shoes
 - If fibers are seen penetrating from the skin, the fibers can be removed by applying and removing adhesive tape so that the fibers adhere to the tape and are pulled out of the skin
 - Never use compressed air to remove fibers from skin
- Inhalation**
- Remove to fresh air
 - If symptoms persist, call a physician
- Ingestion**
- Accidental ingestion of this material is unlikely
 - Rinse mouth with water and drink water to remove fibers from the throat
 - If this does occur watch person for several days to make sure intestinal blockage does not occur
 - If symptoms persist, call a physician

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media**
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
- Protective equipment and precautions for firefighters**
- As in any fire, wear self-contained breathing apparatus (positive-pressure), MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions**
- Avoid contact with eyes and skin
- Methods for cleaning up**
- Use personal protective equipment as required
 - Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry
 - Take up mechanically, placing in appropriate containers for disposal
 - Avoid creating dust
 - Clean contaminated surface thoroughly

- Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination
- Avoid dry sweeping
- Pick up and transfer to properly labeled containers

7. HANDLING AND STORAGE

- Precautions for safe handling**
- Prevent and/or minimize dust formation
 - Do not breathe dust
 - Wear appropriate personal protective equipment in case of direct contact with the product
- Storage Conditions**
- Keep product in packaging until use to minimize potential dust generation
 - Product should be kept dry and undercover
- Incompatible materials**
- None known based on information supplied

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
Fiberglass wool 65997-17-3	TWA: 1 fiber/cm ³ respirable fibers: length >5 µm, aspect ratio ≥3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m ³ inhalable particulate matter	-	-

- Engineering Controls**
- Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits
Dust collection system must be used in transferring operations, cutting or other dust generating processes, such as using power tools
Vacuum or wet clean-up methods should be used

Individual protection measures, such as personal protective equipment

- Eye/face protection**
- Wear safety glasses with side shields (or goggles)
- Skin and body protection**
- Wear protective gloves
 - Wear long-sleeved shirt and long pants
- Respiratory protection**
- When workers are facing airborne particulates/dust concentrations above the exposure limits, they must use an appropriate certified respirator
 - A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended

- General Hygiene Considerations**
- Wash hands before breaks and immediately after handling products
 - Remove and wash contaminated clothing before re-use

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** Solid
- Appearance** Fibrous
- Odor** Organic
- Color** Pink
- Water solubility** Insoluble in water

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions • None under normal processing

Hazardous Decomposition Products • None known based on information supplied

11. TOXICOLOGICAL INFORMATION

Product Information

Fiberglass wool may cause temporary skin and mucous membranes itching due to mechanical abrasion effect of fibers

IARC (International Agency for Research on Cancer)

In October 2001, the International Agency for Research on Cancer (IARC) classified fiber glass wool as Group 3, "not classifiable as to its carcinogenicity to humans". The 2001 decision was based on human studies and animal research that have not shown an association between inhalation exposure to dust from fiber glass wool and the development of respiratory disease

NTP (National Toxicology Program)

In June 2011, The National Toxicology Program (NTP) removed biosoluble glass wool fibers from its list of possible carcinogens used for home and building insulation

12. ECOLOGICAL INFORMATION

This product is not expected to be hazardous for the environment

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national and local laws and regulations

14. TRANSPORT INFORMATION

This material is not subject to regulation as a hazardous material for shipping

15. REGULATORY INFORMATION

International Inventories

This product is classified as an article. Articles are exempted from registration or listing under chemicals inventories like TSCA (USA), DSL/NDL (CAN), REACH (EU), ENCS (JP), IECSC (CN), KECL (KR), PICCS (PH), AICS (AUS)

California Proposition 65

This product does not contain any Proposition 65 chemicals

16. OTHER INFORMATION

Creation Date 16-Dec-1997
Revision Date 21-Jun-2018
Revision Note SDS sections updated 2, 3,

Disclaimer

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use

End of Safe Use Instruction Sheet

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: WMP-VR-R Plus (White or Black)

Recommended use: Vapor Retarder for Thermal Insulation

Manufacturer Name: Lamtec Corporation
5010 River Road
Mt. Bethel, Pennsylvania 18343-5610

Telephone number: 570-897-8200

Emergency phone number: 570-897-8200 (M-F 8:30 to 5:00)

Date of Preparation: July 8, 2015

2. HAZARD(S) IDENTIFICATION

Classification:

This product is a manufactured article as defined in the OSHA Hazard Communication Standard. During normal use no exposure to the hazardous ingredients occurs. A SDS is not required. This SDS is provided for informational purposes.

Physical	Health
Not Hazardous	Not Hazardous

Labeling:

None required

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Polypropylene	15	20 - 30
Yarn	Proprietary	15 - 30
Polyester	25038-59-9	20 - 30
Coating	Proprietary	0 - 10

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: First aid is not normally required.
Skin contact: No first aid required.
Eye contact: Flush with water. Seek medical attention if irritation persists.
Ingestion: No first aid required.

Most important symptoms/effects, acute and delayed: No adverse effects expected.

Indication of immediate medical attention and special treatment, if necessary: No immediate medical attention is normally required

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use any media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: Combustion may yield oxides of carbon and aluminum.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: No special precautions required.

Methods and materials for containment and cleaning up: Pick up or sweep up and place in a container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities: Store in a dry location. Protect from physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Polypropylene as PNOC	15 mg/m ³ TWA OSHA PEL (total dust), 5 mg/m ³ TWA (respirable fraction)
Yarn	None Established
Polyester	None Established
Coating	None Established

Appropriate engineering controls: None normally required.

Personal Protective Equipment:

Respiratory protection: No respiratory protection is normally needed.

Skin protection: Wear appropriate gloves when handling to prevent cuts and abrasions.

Eye protection: Safety glasses recommended for cutting and other operations where particles may be generated.

Other: None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Solid laminated material

Odor: None

Odor threshold: Not applicable	pH: Not applicable
Melting Point/Freezing Point: Not applicable	Boiling Point: Not applicable
Flash point: None	Evaporation rate: Not applicable
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Not applicable	Vapor density: Not applicable
Relative density: Not available	Solubility(is): Insoluble
Partition coefficient: n-Octanol/water: Not applicable	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not applicable

10. STABILITY AND REACTIVITY

Reactivity: None known.

Chemical stability: Stable

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid direct heat and open flames.

Incompatible materials: None known.

Hazardous decomposition products: Thermal decomposition may produce oxides of carbon and aluminum and other organic vapors.

11. TOXICOLOGICAL INFORMATION

Inhalation: No adverse effects are expected

Ingestion: Ingestion is unlikely.

Skin contact: No adverse effects are expected

Eye contact: Eye contact may cause abrasions.

Chronic effects from short- and long-term exposure: No adverse effects are expected.

Reproductive Toxicity: No adverse effects are expected.

Sensitization: None of the components are sensitizers.

Mutagenicity: No evidence of mutagenic effects.

Carcinogenicity: None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No data available

This product is not expected to present an environmental hazard.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated	None	None	None
TDG	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA	None	Not Regulated	None	None	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under applicable federal, state and local regulations.

SARA Hazard Category (311/312): Not Applicable (manufactured articles)

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Components	C.A.S. #	WT %		
None			-	

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects):

Components	C.A.S. #	WT %
None		

EPA TSCA Inventory: This is a manufactured article and not subject to TSCA.

16. OTHER INFORMATION

NFPA Rating: Health = 0 Flammability = 1 Instability = 0
HMIS Rating: Health = 0 Flammability = 1 Physical Hazard = 0

SDS Revision History: Rev. 1
Date of preparation: July 8, 2015
Date of last revision: May 28, 2015

NOTICE:

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Lamtec Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.