



FLAME FIGHTER

DRYWALL FINISHING TAPE

TECHNICAL MANUAL for FIRE TAPE®

E-Z TAPING SYSTEM®
PO BOX 10887
GREEN BAY, WI 54307
800-721-8273
<http://www.e-ztape.com>



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Product Description

Fire Tape® – Manufacturer

Alwin Manufacturing Company owns All Products, LLC, which does business under E-Z Taping System®. Fire Tape® is manufactured, marketed, and sold by E-Z Taping System®.

Fire Tape® – Listed Product

Fire Tape® is a *Listed*, patented¹ and proprietary product that is made in the U.S.A., which was specifically developed for use with gypsum board assemblies. Fire Tape® is a multi-layered tape used to cover and seal butt joints of gypsum board panels. Fire Tape® combines the attributes of paper tape and fiberglass tape into one single product. Fire Tape® is an alternative to conventional paper and fiberglass tape used as a finishing component for gypsum board assemblies *approved* and *Listed* to ASTM E119, *Standard Test Methods for Fire Tests of Building Construction and Materials* or CAN/ULC S101, *Standard Methods of Fire Endurance Tests of Building Construction and Materials* for use in the United States and Canada. These test standards are very similar to NFPA 251, UL 263, ISO 834², BS 476³, etc.

Intertek – Fire Tape® SpecDIRECT Listing

Intertek publishes a *Listing* for Fire Tape® on the Intertek SpecDIRECT website under SPEC ID: 27745⁴. Intertek's *Listing* states that Fire Tape® has been...

“Evaluated to the following:

Design *listings* are based on, and supported by, proprietary test reports. The test reports further define proprietary design details which make these *listings* applicable only to the specified products manufactured by the *listed* manufacturer. Unless otherwise noted, the assemblies in this section have been evaluated for conformance to the following standards:

- ASTM-E119, *Standard Methods of Fire Tests of Building Construction and Materials*
- CAN/ULC-S101, *Standard Methods of Fire Endurance Tests of Building Construction and Materials*
- NFPA-251, *Fire Tests of Building Construction and Materials*
- UBC-7-1-94, *Uniform Building Code Standard*
- UL-263, *Fire Tests of Building Construction and Materials*

Designs *listed* are minimum construction requirements to achieve fire rating.

Unless otherwise noted, fire ratings apply to tests conducted on both sides.”

Intertek is an internationally recognized Testing Laboratory accredited for compliance to ISO 17025, *General Requirements for the Competence of Testing and Calibration Laboratories*.

Intertek – Fire Tape® Design Number Listings

The Intertek Design Number Listings are based on fire testing and assessment of the Fire Tape® based on ASTM E119, *Standard Test Methods for Fire Tests of Building Construction*

¹ US Patent No. 5,486,394, 5,687,523, and 6,226,946: Foreign Patents Pending: Made in U.S.A.

² Proper “Part” of the standard’s series must be used

³ Proper “Part” of the standard’s series must be used

⁴ SpecDIRECT https://spec-direct.com/Pages/BP_Search.aspx

and Materials or CAN/ULC S101, *Standard Methods of Fire Endurance Tests of Building Construction and Materials*. The Intertek Design Numbers are *Listings* that describe the building construction to which the certified product, Fire Tape®, is a part. These *Listings* provide the location of the certified product as part of the building construction. As part of the *Listing*, Intertek also publishes the following Design Numbers using the *Listed* Fire Tape® as a component.

Attribute	ICBO-ES AC119 / ICC-ES ESR 1231	Test ASTM C474	Specification ASTM C475
Width	C474	Section 10	4.3.1.1
Thickness	C474	Section 11	4.3.1.2
Tensile Strength	C474	Section 9	4.3.1.3
Dimensional Stability	C474	Section 12	4.3.2.1
Dimensional Stability	C474	Section 12	4.3.2.1
Bond To Gypsum	D3330 Method A	Section 15	4.4.1
Durability	D3330 Method A		

Fire Tape® – Labeled Product

Intertek is an internationally recognized Certification Body accredited for compliance to ISO 17065, *Conformity Assessment -- Requirements for Bodies Certifying Products, Processes and Services*. Fire Tape® is an Intertek *Listed* product, which is also called a certified product, bearing an Intertek Mark (*Labeled* product) for both Canada (C) and the United States of America (US). This means that “The terms & conditions of certification are in order (certification agreement, factory inspections, authorization to mark or mark license).⁵”



Photograph 1 – Example of Labeled Product, Fire Tape®, Bearing Intertek Mark

⁵ Intertek Mark Usage Guide

http://www.intertek.com/uploadedFiles/Intertek/Divisions/Commercial_and_Electrical/Media/PDF/Certifications_and_Marks/Intertek-Mark-Usage-Guide.pdf



Photograph 2 – Example of *Labeled* Product, Fire Tape®, Bearing Manufacture’s Information



Photograph 3 – Example of *Labeled* Product, Fire Tape®, Bearing Traceable Reference Number

The Intertek Mark (*Labeled* product) on the inside surface of every cardboard core every roll of Fire Tape® produced under Intertek’s Product Certification Program is evidence that the product conforms to applicable standards and that there is a program of ongoing factory inspections conducted by Intertek’s Follow-up Services (FUS) Department accredited to ISO 17020, *General Criteria for the Operation of Various Types of Bodies Performing Inspection*. Each roll of Fire Tape® also has the manufacturer’s name and a batch number allowing traceability back to the components used to produce this *Listed* product.

Fire Tape® – Labeled Product Packaging

The *Listed* Fire Tape® bearing the Intertek Mark (*Labeled* product) for both Canada (C) and the United States of America (US) is presented in two different types of exterior packaging.



Photograph 4 – Example of Exterior Packaging: Labeled Product, Flame Fighter Fire Tape®

Joint Tape Compliance

The *Listed* Fire Tape® bearing the Intertek Mark (*Labeled* product) for both Canada (C) and the United States of America (US) complies with the requirements for joint tape in the International Building Code®, International Residential Code®, and National Building Code of Canada®. This information is verified in Intertek’s Design Number Listings, which are publically available product certification documents.

Intertek Dimensional Verification Tests/Specification: ASTM C474/C475

ATTRIBUTE	C474/C475	MIN	MAX	MIN	MAX	FIRE TAPE® RESULTS	REFERENCE TEST/SPEC
Width	Section 10/4.3.1.1	1.875 in.	2.50 in.	48 mm	57 mm	1.896 in. Complies	Intertek W/H 14250-231
Thickness	Section 11/4.3.1.2		0.012 in.		0.30 mm	0.006 in. Complies	Intertek W/H 14250-231

Intertek Strength Tests/Specification: ASTM C474/C475

ATTRIBUTE	C474/ C475	MIN	MAX	MIN	MAX	FIRE TAPE® RESULTS	REFERENCE TEST/SPEC
Tensile Strength	Section 9/4.3.1.3	30 lbs/in. of Width		524 N/mm of Width		53.4 lbs/in. of Width Complies	Intertek W/H 14250-231

Intertek Adhesion Tests/Specification: ASTM C474/C475 & ASTM D3330 Method A

ATTRIBUTE	C474/ C475	MIN	MAX	MIN	MAX	FIRE TAPE® RESULTS	REFERENCE TEST/SPEC
Bond to Gypsum	Section 15/4.4.1	100% Failure of Gypsum Paper		100% Failure of Gypsum Paper		100% Complies	Intertek W/H 14250-231

Intertek Durability Tests/Specification: ASTM C474/C475 & ASTM D3330 Method A

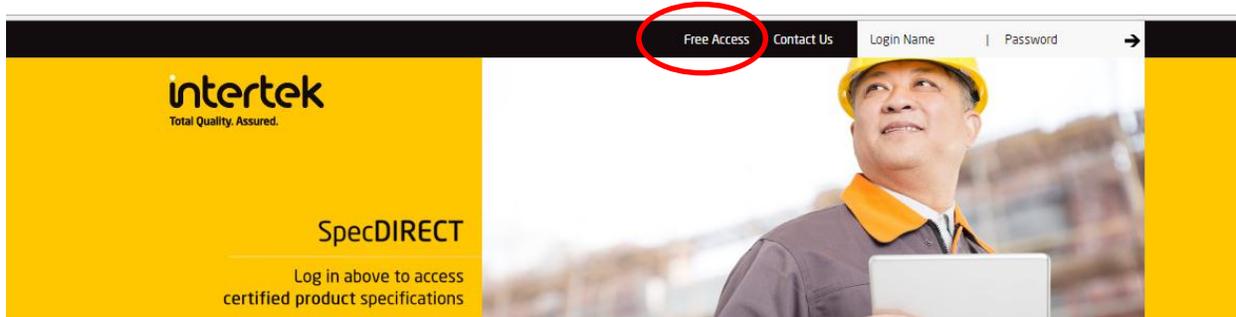
ATTRIBUTE	C474/ C475	MIN	MAX	MIN	MAX	FIRE TAPE® RESULTS	REFERENCE TEST/SPEC
Durability	D3330 Method A	80% of Control Samples		80% of Control Samples		112% Complies	Intertek W/H 14250-231

Intertek Dimensional Stability Tests/Specification: ASTM C474/C475

ATTRIBUTE	C474/ C475	MIN	MAX	MIN	MAX	FIRE TAPE® RESULTS	REFERENCE TEST/SPEC
Dimension al Stability	Section 12/4.3.2.1		0.40% Length- wise		0.40% Length- wise	<0.40% Complies	Intertek W/H 14285-231
Dimension al Stability	Section 12/4.3.2.1		2.50% Cross- wise		2.50% Cross- wise	<2.50% Complies	Intertek W/H 14285-231

Download Intertek SpecDIRECT for Fire Tape®

Visit our website, <http://www.e-ztape.com>, or Intertek’s SpecDIRECT as a means to acquire all of the Fire Tape® Design Number Listings and Intertek testing references in a single report. If requested by email, E-Z Taping System will also email Intertek’s SpecDIRECT Listing. This report can be downloaded from the following website <https://spec-direct.com/> and click “Free Access”.



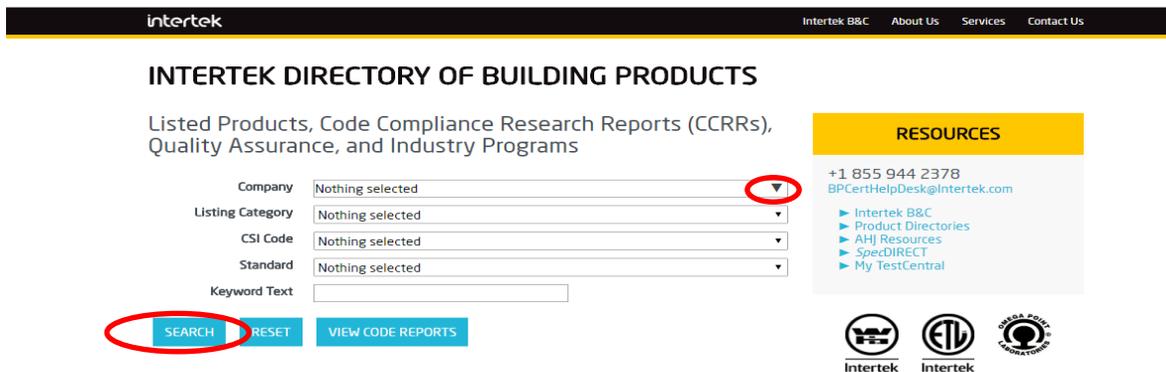
Are you a Manufacturer or Machiner of Building Products?

Log in above to access products that are certified to bear the Intertek Certification Mark, or

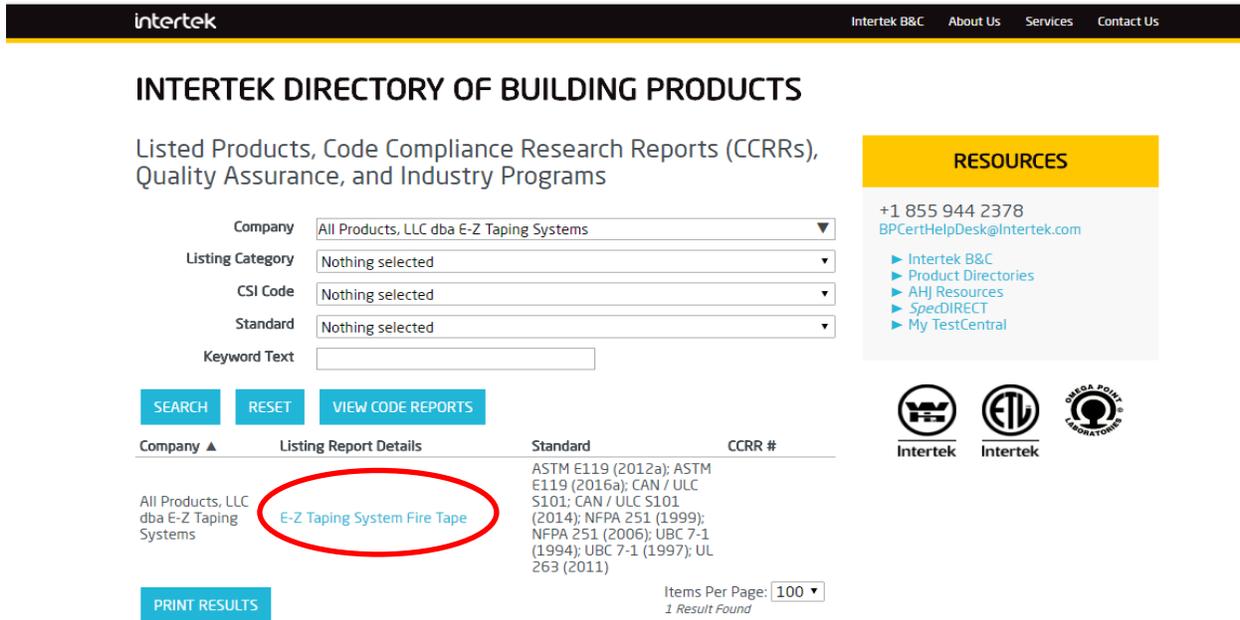
FEATURED LINKS

[Intertek Directory of Building Products](#)

The preceding Intertek webpage titled “Intertek Directory of Building Products” appears. Click the down arrow “V” in the box next to the title “Company” and scroll down the list and select “All Products, LLC dba E-Z Taping Systems”. Then click the word “Search”



When the following screen appears, click on “E-Z Taping System Fire Tape”.



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INTERTEK DIRECTORY OF BUILDING PRODUCTS

Listed Products, Code Compliance Research Reports (CCRRs), Quality Assurance, and Industry Programs

Company: All Products, LLC dba E-Z Taping Systems
 Listing Category: Nothing selected
 CSI Code: Nothing selected
 Standard: Nothing selected
 Keyword Text:

SEARCH **RESET** **VIEW CODE REPORTS**

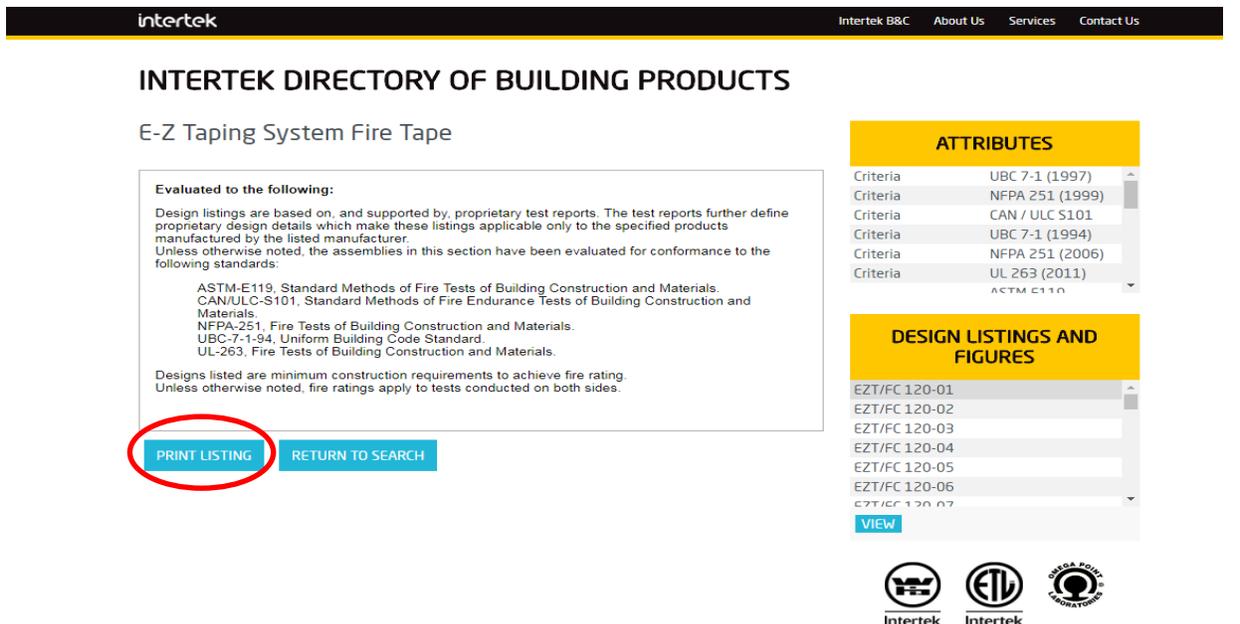
Company ▲	Listing Report Details	Standard	CCRR #
All Products, LLC dba E-Z Taping Systems	E-Z Taping System Fire Tape	ASTM E119 (2012a); ASTM E119 (2016a); CAN / ULC S101; CAN / ULC S101 (2014); NFPA 251 (1999); NFPA 251 (2006); UBC 7-1 (1994); UBC 7-1 (1997); UL 263 (2011)	

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When the following screen appears, click on “PRINT LISTING”.



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INTERTEK DIRECTORY OF BUILDING PRODUCTS

E-Z Taping System Fire Tape

Evaluated to the following:
 Design listings are based on, and supported by, proprietary test reports. The test reports further define proprietary design details which make these listings applicable only to the specified products manufactured by the listed manufacturer.
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 ASTM-E119, Standard Methods of Fire Tests of Building Construction and Materials.
 CAN/ULC-S101, Standard Methods of Fire Endurance Tests of Building Construction and Materials.
 NFPA-251, Fire Tests of Building Construction and Materials.
 UBC-7-1-94, Uniform Building Code Standard.
 UL-263, Fire Tests of Building Construction and Materials.

Designs listed are minimum construction requirements to achieve fire rating.
 Unless otherwise noted, fire ratings apply to tests conducted on both sides.

PRINT LISTING **RETURN TO SEARCH**

ATTRIBUTES

Criteria	UBC 7-1 (1997)
Criteria	NFPA 251 (1999)
Criteria	CAN / ULC S101
Criteria	UBC 7-1 (1994)
Criteria	NFPA 251 (2006)
Criteria	UL 263 (2011)

DESIGN LISTINGS AND FIGURES

EZT/FC 120-01
EZT/FC 120-02
EZT/FC 120-03
EZT/FC 120-04
EZT/FC 120-05
EZT/FC 120-06
EZT/FC 120-07

VIEW





After you have clicked “[Print Listing](#)”, the E-Z Taping System Fire Tape Listing report will be generated and will appear on the page. The report will explain all of the testing standards used to create the Design Number Listings. Also there will be a list of “Attributes” and corresponding “Values” that will explain other information related to the certified product, i.e. Fire Tape®. An example of such information is illustrated below. Refer to the SpecDIRECT Listing Report for “Attributes” and corresponding “Values” of Fire Tape®.

E-Z Taping System Fire Tape

Evaluated to the following:

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LISTING INFORMATION OF
E-Z Taping System Fire Tape

SPEC ID: 27745

All Products, LLC dba E-Z Taping Systems
3061 S. Ridge Rd
(Billing: PO Box 10887)
Green Bay, WI 54304

**EXAMPLE
ONLY**

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



Download Intertek Design Number Listings for Fire Tape®

The *Listed* Fire Tape® bearing the Intertek Mark (*Labeled* product) for both Canada (C) and the United States of America (US) is referenced in the following Intertek Design Number Listings. These Design Number Listings refer to other Intertek and Underwriter’s Laboratories (UL), as well as Underwriter’s Laboratories of Canada (ULC), Design Number Listings for specific details of the building construction to which the Fire Tape® is applied. The application of Fire Tape® is detailed in the following Intertek Design Number Listings and replaces the joint tape in the Design Number Listings of the building construction to which the Fire Tape® is applied. Visit Intertek’s website, https://bpdirectory.intertek.com/Pages/DLP_Search.aspx, our website, <http://www.e-ztape.com>, to acquire or verify Intertek Design Number Listings. If requested by email, E-Z Taping System will also email a Design Number Listing.

The preceding Intertek webpage titled “*Intertek Directory of Building Products*” appears. Click the down arrow “V” in the box next to the title “Company” and scroll down the list and select “All Products LLC d.b.a. E-Z Taping System”. Then click the word “[Search](#)” in blue text.

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INTERTEK DIRECTORY OF BUILDING PRODUCTS

Listed Products, Code Compliance Research Reports (CCRRs), Quality Assurance, and Industry Programs

Company: Nothing selected
Listing Category: Nothing selected
CSI Code: Nothing selected
Standard: Nothing selected
Keyword Text:

SEARCH **RESET** **VIEW CODE REPORTS**

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- ▶ Product Directories
- ▶ AHJ Resources
- ▶ SpecDIRECT
- ▶ My TestCentral

Intertek ETL OMEGA POINT LABORATORIES



The following Intertek webpage titled “Intertek Directory of Building Products” appears. Then click the word “E-Z Taping System Fire Tape” in blue text.

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INTERTEK DIRECTORY OF BUILDING PRODUCTS

Listed Products, Code Compliance Research Reports (CCRRs), Quality Assurance, and Industry Programs

Company: All Products, LLC dba E-Z Taping Systems
 Listing Category: Nothing selected
 CSI Code: Nothing selected
 Standard: Nothing selected
 Keyword Text:

SEARCH RESET VIEW CODE REPORTS

Company ▲	Listing Report Details	Standard	CCRR #
All Products, LLC dba E-Z Taping Systems	E-Z Taping System Fire Tape	ASTM E119 (2012a); ASTM E119 (2016a); CAN / ULC S101; CAN / ULC S101 (2014); NFPA 251 (1999); NFPA 251 (2006); UBC 7-1 (1994); UBC 7-1 (1997); UL 263 (2011)	

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Intertek ETL MESA POLY LABORATORIES

The following Intertek webpage titled “Intertek Directory of Building Products” appears. Click the Design Number for the Listing to be viewed. Then click the word “View” in blue text in the bottom left-hand corner of the page.

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INTERTEK DIRECTORY OF BUILDING PRODUCTS

E-Z Taping System Fire Tape

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PRINT LISTING RETURN TO SEARCH

ATTRIBUTES
 Criteria UBC 7-1 (1997)
 Criteria NFPA 251 (1999)
 Criteria CAN / ULC S101
 Criteria UBC 7-1 (1994)
 Criteria NFPA 251 (2006)
 Criteria UL 263 (2011)
 ASTM E119

DESIGN LISTINGS AND FIGURES
 E-ZT/FC 120-01
 E-ZT/FC 120-02
 E-ZT/FC 120-03
 E-ZT/FC 120-04
 E-ZT/FC 120-05
 E-ZT/FC 120-06
 E-ZT/FC 120-07

VIEW

Intertek ETL MESA POLY LABORATORIES

The desired Design Number Listing appears on the screen. The Design Number Listing can be printed as a PDF.

SDS (MSDS) for Fire Tape®

The material safety data sheet for Fire Tape® is attached or can be located at the following website: <http://www.e-ztape.com/pdf/msds-sheets.pdf>

Visit our website, <http://www.e-ztape.com>, for more information and other products of E-Z Taping System®.



Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with
OSHA's Hazard Communication Standard,

Occupational Safety and Health
Administration
(Non-Mandatory Form)

IDENTITY (As Used on Label and List) WALLBOARD JOINT TAPE	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
--	---

Section I

Manufacturer's Name E-Z TAPING SYSTEM, INC.	Emergency Telephone Number 920-632-6745
Address (Number, Street, City, State, and ZIP Code) 3061 S. Ridge Rd. Ste. 101 GREEN BAY, WI 54304	Telephone Number for Information 920-632-6745 Date Prepared OCTOBER 1, 2017

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)) N / A	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
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Section III - Physical/Chemical Characteristics

Boiling Point	212 °F	Specific Gravity (H ₂ O = 1)	1.0-1.2
Vapor Pressure (mm Hg.)	17MM EG	Melting Point	46-48%
Vapor Density (AIR = 1) LESS THAN 1		Evaporation Rate (Butyl Acetate = 1) LESS THAN 1	
Solubility in Water DILUTABLE			
Appearance and Odor MILKY WHITE AMMONIA			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) NON-COMBUTIBLE	Flammable Limits	LEL	UEL
Extinguishing Media FOAM FOG, CO2, WATER, OR DRY CHEMICALS			

Special Fire Fighting Procedures

N / A

Unusual Fire and Explosion Hazards

ADHESIVE CAN SPLATTER

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid AVOID TEMP ABOVE 350° F
	Stable	X	ONSET OF POLYMER DECOMPOSITION
Hazardous Decomposition or Byproducts TERMINAL DECOMPOSITION MAY YIELD ACRYLIC MONOMER			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

WASH WITH SOAP AND WATER IF NECESSARY

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

N / A

Waste Disposal Method

SOLID WASTE LAND FILL OR INCINERATOR

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>) NOT NEEDED UNDER NORMAL CONDITONS		
Ventilation N / A	Local Exhaust	Special
Protective Gloves USE GLOVES IF NECESSARY		Eye Protection NONE REQUIRED