POLYKEN®

HVACR TAPES CATALOG

Field-tested brands.

BOND™

TABLE OF CONTENTS

SET NEW STAND-ARDS

On some jobs, tape isn't a nice-to-have; it is a system component.

So it has to perform on day one, as well as season after season. Because when you are protecting efficiency, compliance, and reputation, "good enough" doesn't pass.

That's Polyken®: tapes engineered with discipline and refined through innovation, so each generation seals tighter, handles better, and performs as specified in real-world conditions.

Every tape in this catalog is built, tested, and proven for HVACR, electrical, and general maintenance—so you can work with confidence, install efficiently, and walk away knowing it holds.

That's why Polyken tapes do not just meet standards. They set them.

TAPE LISTINGS & REQUIREMENTS

POLYKEN UL 181A-P TAPE

Connects rigid fiberglass insulation to air ducts and connectors.

Requires a liner-protected aluminum tape with a minimum width of 2.5". The tape must be permanently printed with the name and model, the UL listing/mark, and "181A-P."

UL LISTED

339 PREMIUM COLD WEATHER FOIL TAPE

UL LISTED

UL "Listed" products have a UL registered trademark symbol.

What UL Listed Means

The UL® mark signals safety, performance, and quality. UL (Underwriters Laboratories) sets the standards, tests the products, and audits certified manufacturers.

In this catalog, UL types help you match the tape to the duct type and code requirement—for hold and compliance.

POLYKEN UL 181B-FX TAPES

UL LISTED

339 PREMIUM COLD WEATHER FOIL TAPE

UL LISTED

557 14 MIL PREMIUM DUCT TAPE

UL LISTED

SMACNA Testing & Research INSTITUTE

367-17 FOILMASTIC® BUTYL SEALING TAPE

Fasten flexible air ducts and handlers.

Require a minimum width of 1-7/8". The tape must be permanently printed with the name and model, the UL listing/mark, and "181B-FX."

UNLISTED DUCTWORK TAPES

When UL isn't required.

With rigid sheet metal ductwork, UL listing is not required for tape selection. Plain foil tapes are accepted for sealing and patching. These products are proven airtight—and select butyl mastics are verified for performance.

UL LISTED

555 FLEXFIX® CONTRACTOR-GRADE FILM TAPE

UL LISTED

558CA 14 MIL PREMIUM CEC DUCT TAPE

CLASSIFIED UL

UL 723 CLASSIFIED FOR SURFACE BURNING CHARACTERISTICS

330X PREMIUM EXTREME WEATHER FOIL TAPE

CLASSIFIED UL

UL 723 CLASSIFIED FOR SURFACE BURNING CHARACTERISTICS

337 MULTI-PURPOSE FOIL TAPE

CLASSIFIED UL

UL 723 CLASSIFIED FOR SURFACE BURNING CHARACTERISTICS

360-17 FOILMASTIC® BUTYL SEALING TAPE

CLASSIFIED UL

UL 723 CLASSIFIED FOR SURFACE BURNING CHARACTERISTICS

444 BUBBLE WRAP TAPE

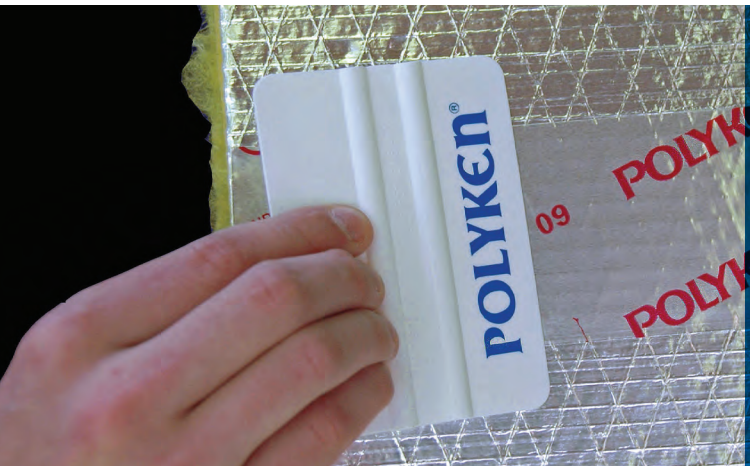
Polyken 367-17 has been verified by the SMACNA Testing and Research Institute on rigid sheet metal ducts up to 10" w.g. pressure class.

All UL Listed Polyken tapes are in compliance with the International Code Council (ICC) International Residential Code (IRC).

For more information on the ICC, reference the Appendix on page 20.

A PRACTICAL GUIDE TO CHOOSING THE RIGHT TAPE FOR THE JOB

POLYKEN RECOMMENDS



FIBERGLASS DUCT BOARD 181A-P B-FX

For use in seaming and sealing joints and connections on fiberglass duct board—applications requiring a UL 181A-P listed tape.

- **339** PAGES 4, 6, 7, 8

FLEXIBLE DUCT UL 181B-FX

For use in seaming and sealing joints and connections of Class 1 flexible ducts—applications requiring a UL 181B-FX listed tape.

- **339** PAGES 4, 6, 7, 8
- **557** PAGES 4, 6, 12
- **558 CA** PAGES 5, 6, 12
- **555 FLEXFIX®** PAGES 5, 6, 7, 10
- **367-17** PAGES 5, 6, 9

RIGID SHEET METAL DUCT

For use in seaming and sealing joints and connections on rigid round pipe ducts as well as sealing slips and drives.

- **367-17** PAGES 5, 6, 9
- **339** PAGES 4, 6, 7, 8
- **360-17** PAGES 5, 6, 9
- **337** PAGES 5, 6, 7, 8
- **330X** PAGES 5, 6, 7, 8

POLYKEN RECOMMENDS

338 FSK PAGES 7, 10

348 ASJ PAGES 7, 10

438 FSK PAGES 7, 10

555 FLEXFIX® PAGES 5, 6, 7, 10

339 PAGES 4, 6, 7, 8

330X PAGES 5, 6, 7, 8

DUCT WRAP/ FIBERGLASS INSULATION

For use in attaching, seaming, sealing, and patching foil, FSK, and ASJ-faced insulation materials.

555 FLEXFIX® PAGES 5, 6, 7, 10

444 BUBBLE WRAP PAGES 5, 7, 11

BUBBLE WRAP/ FIBERGLASS INSULATION

For use in attaching, seaming, sealing, and patching reflective insulation and bubble insulation materials. Can also be used to secure and seam foam insulation.

444 LINE SET PAGE 7, 17

LINE SETS

Seam, secure, patch, and protect insulation materials for outdoor line sets.

= UL Listed

FOIL TAPES

Sealing and insulating solutions for flexible, fiberglass, and rigid sheet metal ducts.

339
PREMIUM COLD WEATHER FOIL

Bonds in extreme cold/heat/humidity.
Excellent tack and adhesion.
Resists mold and mildew growth.

UL LISTED 181A-P 181B-FX

BACKING	ADHESIVE
Printed Aluminum Foil	Acrylic

APPLICATIONS

Seams, seals, and joins fiberglass duct board and sheet metal duct. Seals joints and connections on Class 1 flexible duct.

337
MULTI-PURPOSE FOIL

Conformable and tough.
Excellent tack and adhesion.
Low VOC—can contribute to LEED®.

CLASSIFIED UL
UL 723 CLASSIFIED FOR SURFACE BURNING CHARACTERISTICS

BACKING	ADHESIVE
Aluminum Foil	Synthetic Rubber

APPLICATIONS

Seals duct work for HVACR systems. Insulation seaming and patching. General repairs and maintenance.

330X
PREMIUM EXTREME WEATHER FOIL

Performs in extreme cold and heat.
Conformable and tough.
Low VOC—can contribute to LEED®.

CLASSIFIED UL
UL 723 CLASSIFIED FOR SURFACE BURNING CHARACTERISTICS

BACKING	ADHESIVE
Aluminum Foil	Acrylic

APPLICATIONS

Seals duct work for HVACR systems. Insulation seaming and patching. General repairs and maintenance.

340X
UTILITY EXTREME WEATHER FOIL

Performs in extreme cold and heat.
Conformable foil facer. Easy to use.

BACKING	ADHESIVE
Aluminum Foil	Acrylic

APPLICATIONS

Insulation seaming and patching.
Non-critical duct sealing.
General repairs and maintenance uses.

335FT
HIGH TEMPERATURE FOIL

Resists UV, mold, and moisture.
Extreme high-temperature uses up to 500 °F.
Excellent quick stick.

BACKING	ADHESIVE
Aluminum Foil	Acrylic

APPLICATIONS

Seals seams and closures in high heat flue installations. High efficiency furnace-certified plastic vent pipes. Heat shielding and welding.

	339	337	330X	340X	335FT
Adhesive	Acrylic	Synthetic Rubber	Acrylic	Acrylic	Acrylic
Backing	Printed Aluminum Foil	Aluminum Foil	Aluminum Foil	Aluminum Foil	Aluminum Foil
Backing Thickness	2.1 mil (0.053 mm)	1.75 mil (0.044 mm)	1.75 mil (0.044 mm)	1.5 mil (0.038 mm)	1.75 mil (0.044 mm)
Thickness (w/o Liner)	4.8 mil (0.124 mm)	3.7 mil (0.094 mm)	3.5 mil (0.089 mm)	3.0 mil (0.076 mm)	3.8 mil (0.097 mm)
Liner	Kraft	Kraft	Kraft	Kraft	Kraft
Adhesion to Steel	68 oz/in (7.44 N/cm)	100 oz/in (10.94 N/cm)	55 oz/in (6.02 N/cm)	45 oz/in (4.92 N/cm)	35 oz/in (3.83 N/cm)
Tensile Strength	28 lb/in (49.04 N/cm)	14 lb/in (24.52 N/cm)	14 lb/in (24.52 N/cm)	11 lb/in (19.26 N/cm)	14 lb/in (24.52 N/cm)
Operating Temperature	-25 °F – 325 °F (-32 °C – 163 °C)	40 °F – 200 °F (4 °C – 93 °C)	-35 °F – 260 °F (-37 °C – 127 °C)	-35 °F – 260 °F (-37 °C – 127 °C)	-50 °F – 500 °F (-46 °C – 260 °C)
Sizes	2.5 in x 60 yd 72 mm x 55 m	48 mm x 46 m 72 mm x 46 m	48 mm x 46 m 72 mm x 46 m	48 mm x 46 m 72 mm x 46 m	48 mm x 46 m 72 mm x 46 m

FOIL MASTIC TAPES

Permanent air- and water-tight sealing for galvanized sheet metal, flex ducts, and more.

367-17
FOILMASTIC® BUTYL SEALING

Permanent air- and water-tight seals.
Repositionable for easy installation.
Seals up to 10" w.g. pressure.

BACKING	ADHESIVE
Printed Aluminum Foil	Butyl Rubber

APPLICATIONS

Seams, seals, and joins Class 1 flexible duct. Seals rigid sheet metal duct joints including slips and drives.

360-17
FOILMASTIC® BUTYL SEALING

Instant air- and water-tight bond.
Thick butyl adhesive fills gaps.
Permanent seals to many surfaces.

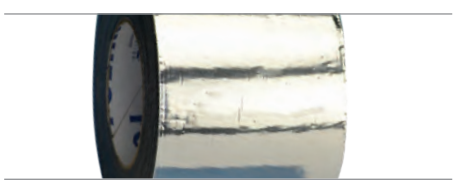
BACKING	ADHESIVE
Printed Aluminum	Butyl Rubber

APPLICATIONS

Duct joint sealing. Sheet metal repairs for trailers, outdoor buildings, roofing, gutters, and more. Indoor/outdoor uses.

360-35
FOILMASTIC® BUTYL SEALING

Instant air- and water-tight bond.
Thick butyl adhesive fills gaps.
Permanent seals to many surfaces.



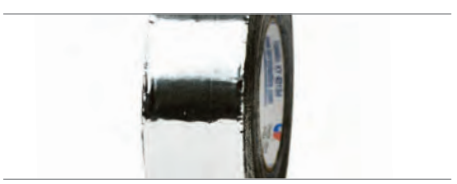
BACKING	ADHESIVE
Aluminum Foil	Butyl Rubber

APPLICATIONS

Duct joint sealing. Sheet metal repairs for trailers, outdoor buildings, roofing, gutters, and more. Window and door flashing. Insulation seaming.

360-45
FOILMASTIC® BUTYL SEALING

Instant air- and water-tight bond.
Thick butyl adhesive fills gaps.
Permanent seals to many surfaces.



BACKING	ADHESIVE
Aluminum Foil	Butyl Rubber

APPLICATIONS

Window, door, and roof flashing. Sheet metal repairs for trailers, outdoor buildings, roofing, gutters, and more. Indoor/outdoor uses.

	367-17	360-17	360-35	360-45
Adhesive	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber
Backing	Printed Aluminum Foil	Printed Aluminum Foil	Aluminum Foil	Aluminum Foil
Backing Thickness	2.0 mil (0.051 mm)	2.0 mil (0.051 mm)	2.0 mil (0.051 mm)	2.0 mil (0.051 mm)
Thickness (w/o Liner)	17.0 mil (0.432 mm)	17.0 mil (0.432 mm)	35.0 mil (0.889 mm)	45.0 mil (1.143 mm)
Liner	LDPE	LDPE	LDPE	LDPE
Adhesion to Steel	90 oz/in (9.85 N/cm)	200 oz/in (21.88 N/cm)	160 oz/in (17.50 N/cm)	63 oz/in (6.89 N/cm)
Tensile Strength	23 lb/in (40.28 N/cm)	20 lb/in (35.03 N/cm)	20 lb/in (35.03 N/cm)	20 lb/in (35.03 N/cm)
Operating Temperature	-20 °F – 200 °F (-28 °C – 93 °C)	-20 °F – 200 °F (-28 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)
Sizes	2 in, 3 in x 33.3 yd	2 in, 2.5 in, 3 in, 4 in x 33.3 yd	48 mm x 15 m 3 in, 4 in x 50 ft	48 mm x 9 m 3 in, 4 in, 6 in, 12 in x 30 ft

INSULATION TAPES

338 FOIL-SCRIM-KRAFT (FSK) INSULATION

Conformable, tough, tear-resistant.
Excellent tack and adhesion.
Low VOC—can contribute to LEED®.

BACKING	ADHESIVE
Foil/Scrim/Kraft Lam.	Synthetic Rubber

APPLICATIONS

Seals and patches FSK-faced duct boards and insulation materials. General repairs and maintenance.

438 EXTREME WEATHER FSK

Conformable, tough, tear-resistant.
Extreme high-/low-temperature performance.
Low VOC—can contribute to LEED®.

CLASSIFIED UL
UL 723 CLASSIFIED FOR SURFACE BURNING CHARACTERISTICS

BACKING	ADHESIVE
Foil/Scrim/Kraft Lam.	Acrylic

APPLICATIONS

Seals and patches FSK-faced duct board and insulation materials in extreme temperatures or high humidity.

348 ASJ ALL-SERVICE JACKETING

Conformable, tough, tear-resistant.
Excellent tack and adhesion.
Low VOC—can contribute to LEED®.

BACKING	ADHESIVE
Foil/Scrim/Kraft Lam.	Acrylic

APPLICATIONS

Seals and patches ASJ-faced industrial insulation jacketing materials. General repairs and maintenance.

358WMP ASJ-WMP INSULATION JACKETING

High-strength laminate backing.
Excellent air and moisture barrier.
Super high tack, aggressive bond.

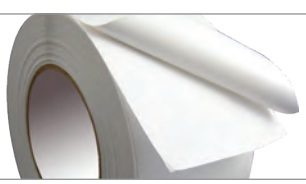
BACKING	ADHESIVE
PP Film/FSK Laminate	Acrylic

APPLICATIONS

Vapor barrier seal for ASJ-WMP-faced industrial insulation and thermal jacketing. Sealing and repair uses.

822 EMBOSSED PVC JACKETING TAPE

Instant air- and water-tight bond.
Thick butyl adhesive fills gaps.
Permanent seals to many surfaces.



BACKING	ADHESIVE
Embossed PVC Film	Acrylic

APPLICATIONS

Duct joint sealing. Sheet metal repairs for trailers, roofing, gutters, etc. Indoor/outdoor uses.

555 FLEXFIX® CONTRACTOR-GRADE FILM TAPE

Tough, conformable, and durable.
Aggressive, high-tack bond.
Solvent-free, low-odor adhesive.

UL LISTED 181B-FX

BACKING	ADHESIVE
Printed OPP Film	Acrylic

APPLICATIONS

Seams, seals, and joins Class 1 flexible duct. Exceptional bond to seal reflective and bubble insulation.

	338	438	348	358WMP	822	555 FLEXFIX
Adhesive	Synthetic Rubber	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Backing	FSK Laminate	FSK Laminate	FSK Laminate	PP Film/FSK Lam.	Embossed PVC Film	Printed OPP Film
Thickness (w/o Liner)	9.25 mil (0.235 mm)	9.5 mil (0.241 mm)	11.0 mil (0.279 mm)	8.8 mil (0.224 mm)	4.6 mil (0.117 mm)	3.1 mil (0.079 mm)
Liner	Kraft	Kraft	Kraft	Kraft	Kraft	
Adhesion to Steel	70 oz/in (7.66 N/cm)	75 oz/in (8.21 N/cm)	50 oz/in (5.47 N/cm)	50 oz/in (5.47 N/cm)	35 oz/in (3.83 N/cm)	45 oz/in (4.92 N/cm)
Tensile Strength	30 lb/in (52.54 N/cm)	33 lb/in (57.79 N/cm)	45 lb/in (78.81 N/cm)	45 lb/in (78.81 N/cm)	7 lb/in (2.26 N/cm)	34 lb/in (59.54 N/cm)
Operating Temperature	40 °F – 200 °F (4 °C – 93°C)	-35 °F – 260 °F (-37 °C – 127 °C)	-35 °F – 260 °F (-37 °C – 127 °C)	-35 °F – 260 °F (-37 °C – 127 °C)	-40 °F – 225 °F (-40 °C – 107 °C)	-40 °F – 212 °F (-40 °C – 100 °C)
Colors	Metallic	Metallic	White	White	White	Metallic, Black, Clear
Sizes	72 mm x 46 m	48 mm x 46 m 72 mm x 46 m 4 in x 50 yd	72 mm x 46 m	48 mm x 46 m	3 in x 50 yd	48 mm x 110 m 72 mm x 110 m

Sealing tapes for insulation jacketing, facings, and cladding systems.

444
BUBBLE WRAP TAPE (VYBOND)

Conformable OPP film with low-odor acrylic; hand-tearable, mold-/moisture-resistant tape for reflective bubble wrap insulation.

UL 723 CLASSIFIED FOR SURFACE BURNING CHARACTERISTICS

BACKING	ADHESIVE
OPP Film	Acrylic

APPLICATIONS

Wraps and protects reflective bubble insulation.

444 BUBBLE WRAP
Acrylic
OPP Film
3.1 mil (0.079 mm)
N/A
45 oz/in (4.92 N/cm)
34 lb/in (59.54 N/cm)
0 °F – 210 °F (-18 °C – 99 °C)
Metallic
48 mm x 55 m

CLOTH DUCT TAPES

557
14 MIL PREMIUM DUCT TAPE

Exceptional bond to surfaces. High strength and durability. Conformable and easy to use.

BACKING	ADHESIVE
Prt. PE Coated Cloth	Natural Rubber

APPLICATIONS

Seams, seals, and joins Class 1 flexible duct. Bundling, general repairs, and maintenance uses.

558CA
14 MIL PREMIUM CEC DUCT TAPE

Exceptional long-term adhesion. High strength and durability. Approved for use in California.

BACKING	ADHESIVE
Prt. PE Coated Cloth	Natural Rubber

APPLICATIONS

Seams, seals, and joins Class 1 flexible duct. Bundling, general repairs, and maintenance uses.

203
9 MIL MULTI-PURPOSE GRADE

Excellent adhesion and tack. Balanced tear and tensile. Good removability from surfaces.

BACKING	ADHESIVE
PE Coated Cloth	Natural Rubber

APPLICATIONS

Can hang, seam, and patch poly sheeting. Bundles, patches, seams, and repairs. Color coding. Plumbing uses.

223
10 MIL MULTI-PURPOSE GRADE

Excellent adhesion and tack. Balanced tear and tensile. Good removability from surfaces.

BACKING	ADHESIVE
PE Coated Cloth	Natural Rubber

APPLICATIONS

Can hang, seam, and patch PE sheeting. General bundling and repairs. Color coding and general use.

243
10 MIL MULTI-PURPOSE GRADE

Good adhesion and shear strength. Excellent conformability. Bonds to rough or smooth surfaces.

BACKING	ADHESIVE
PE Coated Cloth	Natural Rubber

APPLICATIONS

Can hang, seam, and patch poly sheeting. Bundles, packages, and seals. General repairs. Plumbing and maintenance.

227
11 MIL PROFESSIONAL GRADE

High adhesion for difficult surfaces. Crisp, straight tear. Resists twisting and curling.

BACKING	ADHESIVE
PE Coated Cloth	Natural Rubber

APPLICATIONS

Heavy-duty sealing, bundling, and repairs. Can hang, seam, and patch poly sheeting. Maintenance uses.

	557	558CA	203	223	243	227
Adhesive	Natural Rubber	Natural Rubber	Natural Rubber	Natural Rubber	Natural Rubber	Natural Rubber
Backing	Prt. PE Ctd. Cloth	Prt. PE Ctd. Cloth	PE Coated Cloth	PE Coated Cloth	PE Coated Cloth	PE Coated Cloth
Thickness	14.0 mil (0.356 mm)	14.0 mil (0.356 mm)	9.0 mil (0.229 mm)	10.0 mil (0.254 mm)	10.0 mil (0.254 mm)	11.0 mil (0.279 mm)
Adhesion to Steel	45 oz/in (4.92 N/cm)	40 oz/in (4.38 N/cm)	85 oz/in (9.30 N/cm)	90 oz/in (9.85 N/cm)	75 oz/in (8.21 N/cm)	70 oz/in (7.66 N/cm)
Tensile Strength	29 lb/in (50.79 N/cm)	50 lb/in (87.56 N/cm)	25 lb/in (43.78 N/cm)	25 lb/in (43.78 N/cm)	24 lb/in (42.03 N/cm)	24 lb/in (42.03 N/cm)
Operating Temperature	40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)
Colors	Silver, Black, Metallic	Metallic	Black, Blue, Brown, Lt. Green, Dk. Green, OD, Red, Silver, Tan, White, Yellow	Black, Blue, Brown, Lt. Green, Green, OD, Red, Silver, Tan, White, Yellow	Silver, Black	Silver, Black
Sizes	48 mm x 55 m 72 mm x 55 m	48 mm x 55 m	48 mm x 55 m 72 mm x 55 m	48 mm x 55 m 72 mm x 55 m	48 mm x 55 m 72 mm x 55 m	48 mm x 55 m

All-purpose joining and repair tapes for HVACR, maintenance, and jobsite work.

251
11 MIL PROFESSIONAL GRADE

Excellent strength and tear. Aggressive adhesion to surfaces. Resists twisting and curling.

BACKING	ADHESIVE
Metalized PE Cloth	Natural Rubber

APPLICATIONS

Duct and joint sealing. Patching and sealing insulation materials. Patches and repairs metallic finishes.

252
11 MIL PROFESSIONAL GRADE

Excellent strength and tear. Aggressive adhesion to surfaces. Resists twisting and curling.

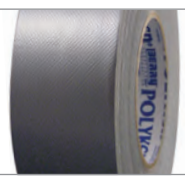
BACKING	ADHESIVE
Metalized PE Cloth	Natural Rubber

APPLICATIONS

Duct and joint sealing. Patching and sealing insulation materials. Patches and repairs metallic finishes.

229
12 MIL PREMIUM GRADE

Superior adhesion and tack. Excellent shear strength. High strength and clean, crisp tear.



BACKING	ADHESIVE
PE Coated Cloth	Natural Rubber

APPLICATIONS

Exceptional moisture resistance and strength for packaging, bundling, seaming, and repairs. Sealing ducts.

253
13 MIL PREMIUM GRADE

Exceptional adhesion and shear. High tensile strength. Clean, crisp, straight tear.

BACKING	ADHESIVE
PE Coated Cloth	Natural Rubber

APPLICATIONS

Heavy-duty packaging, sealing, seaming, and repair. Can hang, seam, and patch PE sheeting. Media blast protection.

510
11.5 MIL PREMIUM GAFFER

Durable, matte finish. High adhesion, high shear adhesive. Clean removal from most surfaces.

BACKING	ADHESIVE
Matte Coated Cloth	Natural Rubber

APPLICATIONS

Indoor/outdoor wire hold-down and bundling. Color coding. Floor marking for safe distancing and hazard marking.

251	252	229	253	510
Natural Rubber	Natural Rubber	Natural Rubber	Natural Rubber	Natural Rubber
Metal. PE Cloth	Metal. PE Cloth	PE Coated Cloth	PE Coated Cloth	Matte Ctd. Cloth
11.0 mil (0.279 mm)	11.0 mil (0.279 mm)	12.0 mil (0.305 mm)	13.0 mil (0.330 mm)	11.5 mil (0.292 mm)
70 oz/in (7.66 N/cm)	70 oz/in (7.66 N/cm)	90 oz/in (9.85 N/cm)	95 oz/in (10.39 N/cm)	50 oz/in (5.47 N/cm)
23 lb/in (40.28 N/cm)	23 lb/in (40.28 N/cm)	27 lb/in (47.28 N/cm)	50 lb/in (87.56 N/cm)	42 lb/in (73.55 N/cm)
40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)	40 °F – 200 °F (4 °C – 93 °C)
Metallic	Printed Metallic	Silver, Black	Silver, Black	Blk, Wht, Gray, Bge, Burg, Nvy Blue, Red, Dk Grn, Yel, Brn, Teal, Ryl Bue, Purple, Neon (Yel, Pink, Org, Grn)
48 mm x 55 m 72 mm x 55 m	48 mm x 55 m 72 mm x 55 m	48 mm x 55 m 72 mm x 55 m	48 mm x 55 m 72 mm x 55 m	48 mm x 55 m 72 mm x 55 m


FLEXFIX
FOR CLASS 1 DUCT
LISTED
82P4

SPRAY ADHESIVES & PRIMERS

Surface-prep and bonding products that improve adhesion and speed application.

398SA MULTI-PURPOSE WEB SPRAY ADHESIVE (NASHUA)

Low VOC—meets SCAQMD standards.
Permanent or temporary bonds.
Good shear strength.

BACKING	ADHESIVE
	Rubber

APPLICATIONS

General-purpose bonding for foils, fabrics, leather, rubber, wood, and plastics. Secure insulation materials. Prime surfaces.

357SA PREMIUM WEB SPRAY ADHESIVE (NASHUA)

Low VOC—meets SCAQMD standards.
Resists UV, moisture, and oxidation.
Excellent shear strength.

BACKING	ADHESIVE
	Rubber

APPLICATIONS

Heavy-duty permanent or temporary bonds for foils, metals, fabrics, leather, rubber, wood, and plastics. Secure insulation materials. Prime surfaces.

1027 PREMIUM BUTYL BRUSH-ON PRIMER (POLYKEN)

Easy to apply—brush on. Provides instant-tack surface. Meets local and national standards.

BACKING	ADHESIVE
	Butyl Rubber, Resins

APPLICATIONS

Primer for pipe surfaces in corrosion-protection uses. Prime surfaces prior to tape installation on OSB, brick, gypsum board, or concrete.

	398SA	357SA	1027
Base Adhesive	Rubber	Rubber	Butyl Rubber / Resins
VOC Content	<40% by Weight	<40% by Weight	0.59 kg/L
% Solids	23% Resins	24% Premium Resins	30% Premium Resins
Operating Temperature	-10 °F – 110 °F (-23 °C – 43 °C)	-10 °F – 180 °F (-23 °C – 88 °C)	20 °F – 200 °F (-7 °C – 93 °C)
Colors	Water White	Water White	Black
Sizes	17 fl oz (12 oz net wt)	20 fl oz (14 oz net wt)	1 quart (0.95 L), 1 gallon (3.79 L)

ELECTRICAL & PLUMBING TAPES

Protective tapes for electrical insulation, pipe sealing, and system identification.

777 GENERAL PURPOSE PVC ELECTRICAL

UL 510 classified. Conformable and stretchy. Excellent long-term adhesion.

CLASSIFIED UL 510 CLASSIFIED

BACKING	ADHESIVE
PVC Film	Rubber

APPLICATIONS

Wrapping and splicing electrical connections. Bundling electrical wires and cords. Up to 600V per wrap.

B17 GENERAL PURPOSE PVC ELECTRICAL

UL 510 classified. Conformable and stretchy. Excellent long-term adhesion.

CLASSIFIED UL 510 CLASSIFIED

BACKING	ADHESIVE
PVC Film	Rubber

APPLICATIONS

Wrapping and splicing electrical connections. Bundling wires and cords. 9500V dielectric strength.

823 PREMIUM PE ELECTRICAL

UL 510 classified. Extreme weather performance. Resists solvents and moisture.

CLASSIFIED UL 510 CLASSIFIED

BACKING	ADHESIVE
PE Film	Natural Rubber

APPLICATIONS

Electrical wrapping, splicing, and bundling when PVC tapes are not permitted. 11500V dielectric strength.

826 PREMIUM PE/BUTYL PIPE WRAP

Aggressive permanent butyl adhesive. Moisture-and-abrasion resistant over wide temp. range.

BACKING	ADHESIVE
PE Film	Butyl Rubber

APPLICATIONS

Interior/exterior/in-ground corrosion protection of small-diameter pipe. Use with 1027 primer.

711 UTILITY PVC PIPE WRAP

Tough, durable, conformable. Excellent bond to surfaces. Moisture- and solvent-resistant.

BACKING	ADHESIVE
PVC Film	Butyl Rubber

APPLICATIONS

Protects pipes and joints from corrosion. Industrial assembly. Meets UPC, ANSI, and IAPMO standards.

509W/510W/513W PTFE THREAD SEAL

Extreme temperature performance. Easy to install. Helps prevent leaks.

BACKING	ADHESIVE
PTFE Film	

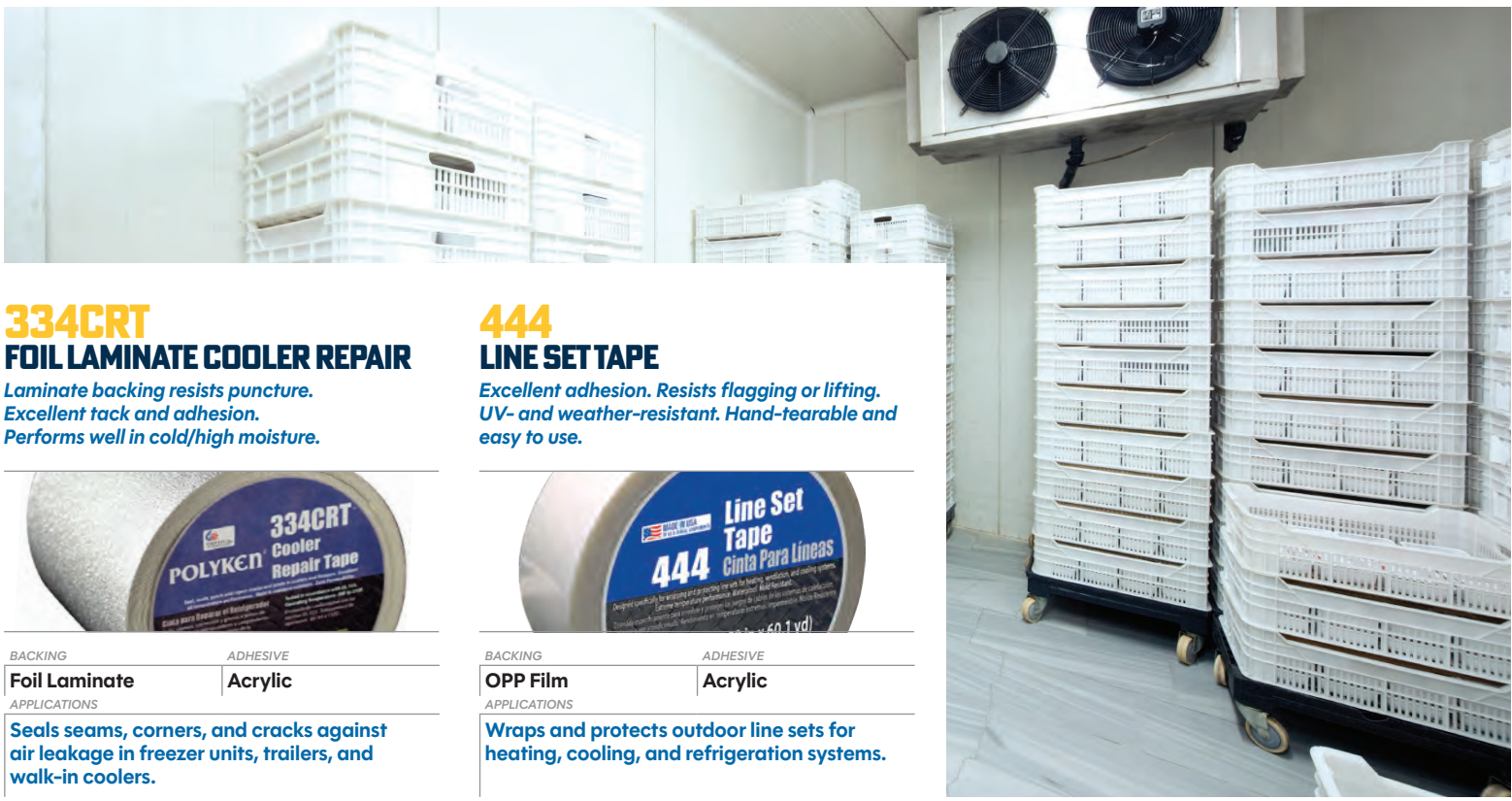
APPLICATIONS

Self-lubricates joints and pipe ends, making them easy to assemble and disassemble for a leak-proof seal.

	777	B17	823	826	711	509W/510W/513W
Adhesive	Rubber	Rubber	Natural Rubber	Butyl Rubber	Butyl Rubber	N/A
Backing	PVC Film	PVC Film	PE Film	PE Film	PVC Film	PTFE Film
Thickness	7.0 mil (0.178 mm)	7.0 mil (0.178 mm)	9.5 mil (0.241 mm)	12.0 mil (0.305 mm)	12.0 mil (0.305 mm)	3.5 mil (0.089 mm)
Pressure Rating						<10,000 psi
Adhesion to Steel	20 oz/in (2.19 N/cm)	25 oz/in (2.74 N/cm)	31 oz/in (3.39 N/cm)	40 oz/in (4.38 N/cm)	15 oz/in (1.64 N/cm)	N/A
Tensile Strength	18 lb/in (31.52 N/cm)	20 lb/in (35.03 N/cm)	17 lb/in (29.77 N/cm)	25 lb/in (43.78 N/cm)	20 lb/in (35.03 N/cm)	
Operating Temperature	40 °F – 180 °F (40 °C – 82 °C)	40 °F – 180 °F (40 °C – 82 °C)	-40 °F – 180 °F (-40 °C – 82 °C)	-30 °F – 140 °F (-34 °C – 60 °C)	0 °F – 200 °F (-18 °C – 93 °C)	-450 °F – 500 °F (-268 °C – 260 °C)
Colors	Black	Blue, Green, Red, White, Yellow	Black	Black, Yellow	Printed Black	White
Sizes	3/4 in x 60 ft	3/4 in x 66 ft	48 mm x 33 m	48 mm x 31 m 4 in, 6 in x 100 ft	48 mm x 31 m	0.5 in, 0.75 in x 260 in or 520 in

COOLER REPAIR TAPE
LINE SET TAPE

Temperature- and moisture-resistant tapes for refrigeration repair and line set wrapping.



334CRT
FOIL LAMINATE COOLER REPAIR

Laminate backing resists puncture.
Excellent tack and adhesion.
Performs well in cold/high moisture.

BACKING	ADHESIVE
Foil Laminate	Acrylic

APPLICATIONS

Seals seams, corners, and cracks against air leakage in freezer units, trailers, and walk-in coolers.

444
LINE SET TAPE

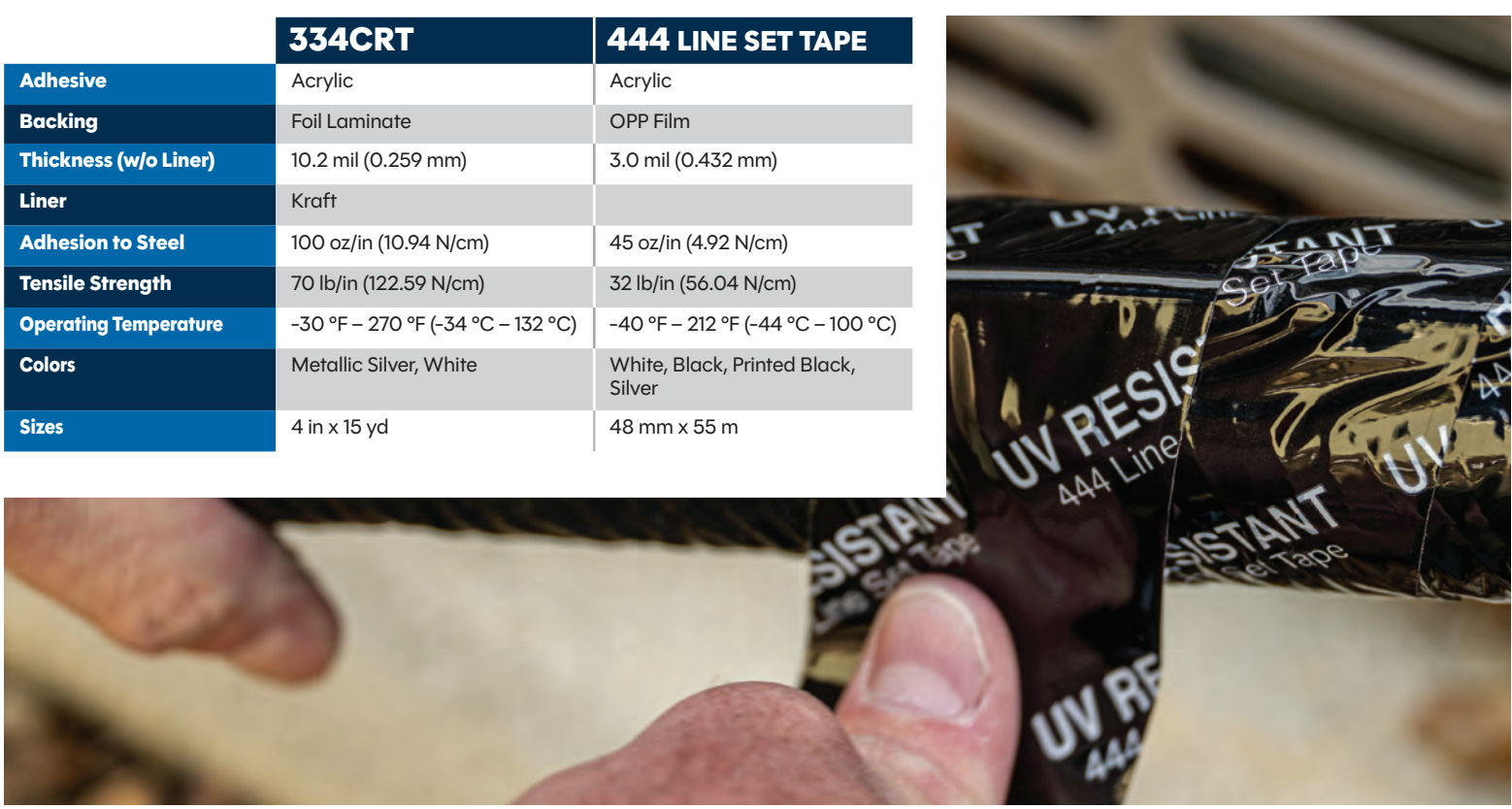
Excellent adhesion. Resists flagging or lifting.
UV- and weather-resistant. Hand-tearable and easy to use.

BACKING	ADHESIVE
OPP Film	Acrylic

APPLICATIONS

Wraps and protects outdoor line sets for heating, cooling, and refrigeration systems.

	334CRT	444 LINE SET TAPE
Adhesive	Acrylic	Acrylic
Backing	Foil Laminate	OPP Film
Thickness (w/o Liner)	10.2 mil (0.259 mm)	3.0 mil (0.432 mm)
Liner	Kraft	
Adhesion to Steel	100 oz/in (10.94 N/cm)	45 oz/in (4.92 N/cm)
Tensile Strength	70 lb/in (122.59 N/cm)	32 lb/in (56.04 N/cm)
Operating Temperature	-30 °F – 270 °F (-34 °C – 132 °C)	-40 °F – 212 °F (-44 °C – 100 °C)
Colors	Metallic Silver, White	White, Black, Printed Black, Silver
Sizes	4 in x 15 yd	48 mm x 55 m



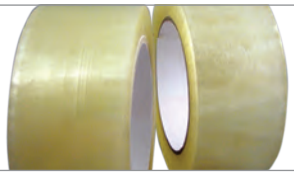

POLYKEN
557
CLASS 1 DUCT

CARTON SEALING, FILAMENT, MASKING TAPES

Tapes designed for sealing, reinforcing, masking, packaging, and paint applications.

803 & 813M CARTON SEALING TAPES

Pressure-sensitive box sealing tape with reliable hold and abrasion resistance for consistent closure.



BACKING	ADHESIVE
OPP Film	Synthetic Rubber

APPLICATIONS

Sealing of lightweight boxes subject to normal shipping hazards. Ideal for hand application.

704 MULTI-PURPOSE FILAMENT TAPE

High-strength tape engineered with fiberglass reinforcement for load support and package integrity.

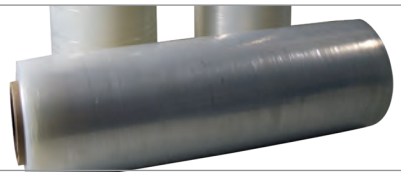
BACKING	ADHESIVE
Filament Re. OPP Film	Synthetic Rubber

APPLICATIONS

Light-duty strapping, unitizing, and packaging applications. Secures goods for transport.

HWX HAND-APPLIED STRETCH WRAP (AMCOR)

Hand-applied stretch wrap engineered for reliable load containment, cling, and stability.



BACKING	ADHESIVE
Blown LLDPE Film	N/A

APPLICATIONS

All-purpose hand wrap for palletizing, unitizing, and protecting during storage or transport. Manual warehouse applications.

MT100 UTILITY GRADE MASKING TAPE (NASHUA)

General-purpose masking tape designed for easy handling, adaptable adhesion, and clean removal.

BACKING	ADHESIVE
Natural Crepe Paper	Synthetic Rubber

APPLICATIONS

General household and office masking uses. Bundling, labeling, and packaging. Offers up to 24 hours clean removal.

MT300 MULTI-PURPOSE GRADE MASKING TAPE (NASHUA)

Improved-holding power masking tape, engineered for general maintenance tasks and clean removal.

BACKING	ADHESIVE
Natural Crepe Paper	Synthetic Rubber

APPLICATIONS

Indoor/outdoor household and non-critical paint masking, bundling, labeling, and packaging. Offers up to 1-3 days clean removal.

140B 14-DAY BLUE PAINTER'S MASKING TAPE (NASHUA)

Professional-grade masking tape designed for crisp paint lines and extended residue-free removal.

BACKING	ADHESIVE
Blue Crepe Paper	Synthetic Rubber

APPLICATIONS

Indoor/outdoor paint masking. Surface protection. Securing PE sheeting for professional painting and cleaning. Up to 14 days clean removal.

	803/813M	704	HWX	MT100	MT300	140B
Adhesive	Synthetic Rubber	Synthetic Rubber	N/A	Synthetic Rubber	Synthetic Rubber	Synthetic Rubber
Backing	OPP Film	Filament-Reinforced OPP Film	Blown LLDPE Film	Crepe Paper	Crepe Paper	Crepe Paper
Thickness	1.6 mil & 1.9 mil	4.5 mil	65 ga or 79 ga	4.8 mil	6.0 mil	5.3 mil
Tensile Strength		110 lb/in				
Colors	Clear	Clear	Clear	Natural	Natural	Blue
Sizes	48 mm x 50 m 48 mm x 100 m	12 mm x 55 m 18 mm x 55 m 24 mm x 55 m	**65 ga:** 16 in x 1,500 ft **79 ga:** 16 in x 1,500 ft **79 ga:** 18 in x 1,500 ft	18 mm x 55 m 24 mm x 55 m 36 mm x 55 m 48 mm x 55 m	36 mm x 55 m 48 mm x 55 m 72 mm x 55 m	24 mm x 55 m 36 mm x 55 m 48 mm x 55 m

APPENDIX

International Code Council

The current International Code Council standards (IRC and IMC), which are updated every three years, specifically require the use of tapes "listed" and "labeled" in accordance with 181A-P for Fiberglass Duct Board and 181B-FX for Flexible Duct installations. UL has tested and regularly audits our Polyken UL Listed tapes to ensure consistent compliance with the performance and safety standards set forth by the code.

To the right is a summary of the physical standards, including size requirements and proper markings, outlined in the 181A-P and 181B-FX codes to help you identify the correct product for your application.

ICC INTERNATIONAL CODE COUNCIL®

UL 181A CODE REFERENCES

Tapes and mastics used to seal fibrous glass ductwork must be listed and labeled in accordance with UL 181A and must be marked "181 A-P" for pressure-sensitive tape, "181 A-M" for mastic, or "181 A-H" for heat-sensitive tape.

2024 International Mechanical Code (Section 603.9)

For Factory Made Rigid Ducts or Air Connectors

UL 181A-P - 3rd Edition (Section 1.1)

Must use an aluminum tape with a minimum width of 2.5".

UL 181A-P - 3rd Edition (Section 6.1)

Tape must be marked with Manufacturer's Name and Model.

UL 181A-P - 3rd Edition (Section 15.1)

Tape must be marked with "181A-P."

UL 181A-P - 3rd Edition (Section 15.1)

Tape must be marked with "UL" certification mark.

UL 181A-P - 3rd Edition (Section 15.1)

UL 181B CODE REFERENCES

Tapes and mastics used to seal metallic and flexible air ducts and flexible air connectors must comply with UL 181B and must be marked "181 B-FX" for pressure-sensitive tape or "181 B-M" for mastic.

2024 International Mechanical Code (Section 603.9)

For Factory Made Flexible Air Ducts or Air Connectors

UL 181B-FX - 2nd Edition (Section 1.1)

Tapes must have a minimum width of 1-7/8".

UL 181B-FX - 2nd Edition (Section 7.1)

Tape must be marked with Manufacturer's Name and Model.

UL 181B-FX - 2nd Edition (Section 14.1)

Tape must be marked with "181B-FX."

UL 181B-FX - 2nd Edition (Section 14.1)

Tape must be marked with "UL" certification mark.

UL 181B-FX - 2nd Edition (Section 14.1)

Shelf Life & Storage

Typical shelf life for duct and foil tapes is three (3) years from date of manufacture. For specific shelf life on these and other products, please contact customer care or your sales representative.

Products should be stored in the original dry carton, off of the floor in a well-ventilated area, with temperatures from 60–80 °F at 40–60% relative humidity.

TAPES ENGINEERED FOR HVACR

The **Polyken**® brand is highly recognized within the HVACR industry as the premium source for exceptional duct-sealing tapes that provide long-term reliability. Polyken Tapes have been used in a wide range of heating, ventilating, and air-conditioning applications to ensure energy efficiency in residential and commercial buildings for more than 60 years.

Polyken products are designed to meet rigorous customer and industry performance requirements while providing long-term durability. All Polyken adhesive systems for HVACR applications are made with low-VOC (Volatile Organic Compound) formulations to protect the homeowner and the contractor.

For those who take pride in precision, Polyken has proven to produce what others promise.

We don't just push the limits of performance. We set them.

POLYKEN®

Set New Standards

MADE IN THE USA
OF US AND GLOBAL PARTS

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