



Building Wraps | Flashings | Construction Tape



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# WEATHER PROTECTION FIELD MANUAL

# BRING ON THE ELEMENTS.

It's time we had a talk, and it begins here. TYPAR® has been defending homes, protecting commercial buildings and fighting back the damaging forces of nature for decades now. What we've developed in that time is not just a healthy attitude about our job. But the ability to do it better than the rest.

It's tough out there, after all. And that's our true motivation. We don't want lesser products to leave your walls vulnerable to winds that tear, rains that drive, cold that claws its way in, or fierce rays that beat down. No climate is without its challenges. No season without its threats. Even construction sites throw ugly punches. Come one, come all, we're ready.



**SCORCHING RAYS** BEATEN  
BACK BY POWERFUL UV  
PROTECTION.



**HOWLING WINDS** ONLY  
PROVE HOW STRONG  
OUR HOLD IS.



**DRIVING RAIN** CAN'T  
GET IN TO DO ITS  
DIRTY WORK.



**BITTER COLD** WON'T  
COMPROMISE YOUR  
WEATHER DEFENSE.

# COMMERCIAL/RESIDENTIAL. TYPAR® IS THE NAME IN SUPERIOR WEATHER PROTECTION.

We're bold because there's a lot at stake. Not the least being your reputation. TYPAR, and its system counterparts, delivers the highest level of performance to top construction pros who see things our way: comfort, efficiency, and healthy indoor spaces aren't premiums reserved for some commercial spaces or select homes. They belong in all.

## FEATS OF STRENGTH.

The way it's made makes it the most durable. TYPAR is an extremely rugged nonwoven material engineered and manufactured to withstand the weather's assaults and a worksite's hazards.

Tears and scrapes. Chemicals and soaps. The sun's degrading ultraviolet light. TYPAR combats them all, and more, in ways the leading competition can't match.

## TESTS OF INTELLIGENCE.

The way it works makes it the smartest choice. As the exceptional weather barrier, TYPAR blocks air and water from getting in. But it also brings balance, by letting moisture created on the inside of a building or home out.

And get this. TYPAR's strengths are proven by rigorous, and real, lab tests that better match actual installed conditions. The facts, backed by over 30 years of uncompromising duty in the field, explain why more and more big builders are turning exclusively to TYPAR.



## COMMERCIAL MUSCLE.

Our answer to the unyielding demands of commercial jobs begins with TYPAR® MetroWrap™. But it doesn't end there. Our system adapts to the needs of your projects. And whether we're talking wraps, flashings and tapes, or accessories, we are the spec that goes beyond standard.



## RESIDENTIAL RESPECT.

Homes mean something. It's an honor to protect them. No matter where home is, or how much the climate challenges you, be ready. TYPAR® Drainable Wrap™, TYPAR® BuildingWrap™, and our full system of products deliver our best to professionals who demand more for their houses.

# THE TYPAR® WEATHER PROTECTION SYSTEM.

Mother Nature boasts a tough-as-they-come reputation. Any vulnerability—a tear, a seam, or a rough opening—will be exploited, unless you are fully prepared. And you can be.

The most complete and capable defense for building envelopes is the TYPAR Weather Protection System. The strength and effectiveness of our wraps, flashings, and tape are second to none in working together to seal off all possible points of unwanted intrusion.



**TYPAR® METROWRAP™**

Elevated performance for commercial jobs.

**TYPAR® DRAINABLE WRAP™**

Boosted defense against bulk water.

**TYPAR® BUILDINGWRAP™**

Superiority for homes and beyond.

**THE TYPAR® LIFETIME LIMITED SYSTEM WARRANTY.**

Confidence is one thing. But full coverage is another. No one beats TYPAR® when it comes to backing you up today and beyond.

By using the complete, properly installed TYPAR Weather Protection System, you get the TYPAR Lifetime Limited System Warranty for single-family residential applications. And the fine print confirms it doesn't just include materials—but labor as well.\* So bring on the elements. And the competition.

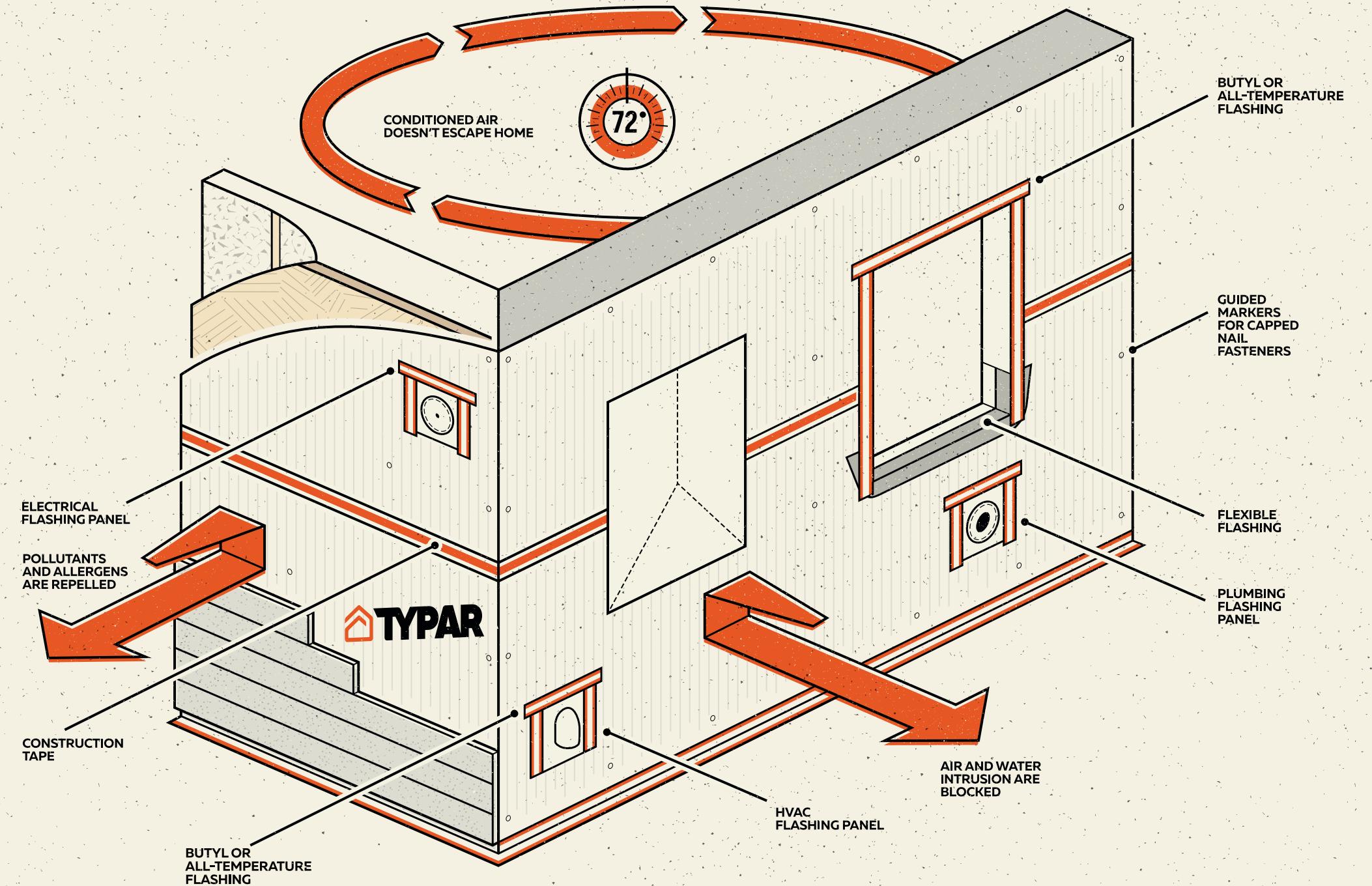
\*Certain limitations and exclusions apply. See the TYPAR Weather Protection System Limited Warranty located online at [TYPAR.com/downloads](http://TYPAR.com/downloads) for full details.

**TYPAR® FLASHINGS & TAPES**

Essential in blocking water and air.

**TYPAR® ACCESSORIES**

Speed in sealing up wall penetrations.





**COMMERCIAL-GRADE  
PROTECTION  
CREATED TO PERFORM  
UNDER PRESSURE.**

**RIISING TO A HIGHER CHALLENGE.**

**TYPAR® METROWRAP™**

Building over four stories is a different ball game. The pressures mount and the elements hit even harder. But just as in the residential arena, we've got you covered here. TYPAR MetroWrap is engineered to deliver levels of toughness that go above and beyond in protecting multi-family dwellings, light commercial projects, and large commercial structures. It even helps buffer the pressures of delays and changing timelines.

- **Stands up to sunlight.**  
Meets code even if left exposed to UV light for up to 12 months.
- **Holds tighter during construction.**  
Tear-strength up to 5x greater than the competition.
- **Boosts energy-efficiency.**  
Superior air and water holdout reduces energy costs.
- **Safeguards healthy spaces.**  
Will not support mold growth (ASTM D3273) and protects indoor air quality.
- **Resists surfactant damage.**  
Handles harsh chemicals and jobsite cleaning techniques.



TYPICAL CHARACTERISTICS

BASIS WEIGHT	THICKNESS	BREAKING STRENGTH (GRAB TENSILE)	TRAPEZOIDAL TEAR RESISTANCE	WATER PENETRATION RESISTANCE	AIR PENETRATION RESISTANCE	MOISTURE VAPOR TRANSMISSION RATE	ULTRAVIOLET LIGHT EXPOSURE RESISTANCE (UV)	SURFACE BURNING CHARACTERISTICS (ASTM E84)	ROLL SIZES
3.5 OZ/YD <sup>2</sup>	15 MILS	93 LBS MD 95 LBS CD	60 LBS MD 67 LBS CD	>500 CM	>4800 SEC/100 CC	10 PERMS	12 MONTHS	FLAME SPREAD INDEX: CLASS A SMOKE SPREAD INDEX: PASS NFPA 285: PASS	10' X 100' 5' X 150'

TAKING THE **UPPER HAND** OVER  
**HEAVY**  
**DOWNPOURS.**

**SERIOUS DEFENSE AGAINST EXCESS WATER.**  
**TYPAR® DRAINABLE WRAP™**

It's a best-of-both-worlds approach. Boost your confidence in dealing with bulk water—without compromising on strength or other performance factors. Based on our incredible TYPAR® material, TYPAR Drainable Wrap features an additional layer of integrated polypropylene fibers that create a highly efficient drainage gap. Water, after all, is notorious for driving its way behind cladding. So for wet or coastal climates, or wherever you want extra help to prevent rot, mold, and liabilities, here's the answer.



- **Rapid action.**  
 Drains bulk water significantly faster than most conventional house wraps, per ASTM E2273 testing.
- **Code-compliant.**  
 Exceeds minimum AC38 Code Requirement for Drainage Efficiency as per ASTM E2273.
- **One-of-a-kind.**  
 It's drainable. It's TYPAR. And it's part of our lifetime limited system warranty coverage.
- **Multidirectional flow.**  
 Install in any direction without affecting performance.

TYPICAL CHARACTERISTICS							
BASIS WEIGHT	THICKNESS	HYDROSTATIC PRESSURE RESISTANCE	MOISTURE VAPOR TRANSMISSION RATE	ULTRAVIOLET LIGHT EXPOSURE RESISTANCE (UV)	DRAINAGE EFFICIENCY	SURFACE BURNING CHARACTERISTICS (ASTM E84)	ROLL SIZES
3.04 OZ/YD²	25 MILS	>500 CM	11.7 PERMS	6 MONTHS	94.8%	FLAME SPREAD INDEX: PASS SMOKE SPREAD INDEX: PASS	5' X 100'

NOTE: TYPAR Drainable Wrap is not available in Canada.

# THE ULTIMATE BARRIER OF DEFENSE. FOR WHATEVER COMES YOUR WAY.

## CHARACTER AT THE CORE. TYPAR® BUILDINGWRAP™

The TYPAR® Weather Protection System is built around the product against which other wraps and alternatives can be measured. And they don't measure up. TYPAR BuildingWrap endures conditions on the jobsite with tested muscle, while standing up to the elements with true smarts. Structures kept more comfortable, energy-efficient, and safe is the result.

- **Extraordinary tear strength.**  
Up to 5x better than the competition.
- **Optimal breathability.**  
Lets moisture inside the wall cavity escape.
- **Exceptional holdout.**  
Blocks air and water from getting in.
- **Excellent surfactant resistance.**  
Unimpacted by oils, tannins, and soaps.
- **Superior UV stability.**  
Withstands up to six months of sunlight exposure.
- **Incredible versatility.**  
Able to be used under most types of cladding.



TYPICAL CHARACTERISTICS							
BASIS WEIGHT	THICKNESS	HYDROSTATIC PRESSURE RESISTANCE	MOISTURE VAPOR TRANSMISSION RATE	ULTRAVIOLET LIGHT EXPOSURE RESISTANCE (UV)	*AIR-INS* (AIR LEAKAGE TEST)	SURFACE BURNING CHARACTERISTICS (ASTM E84)	ROLL SIZES
3.024 OZ/YD <sup>2</sup>	12.9 MILS	>500 CM	11.7 PERMS	6 MONTHS	.0032L(S.M <sup>3</sup> ) @ 75 PASCALS	FLAME SPREAD INDEX: CLASS A SMOKE SPREAD INDEX: PASS NFPA 285: PASS	3' X 100' 5' X 100' 4.5' X 200' 9' X 100' 9.5' X 95' 9' X 150' 9' X 195' 10' X 100' 10' X 150' 10' X 195'

# SHUTTING AIR & WATER DOWN AT ALL THE ROUGH OPENINGS.

## COVERAGE FOR EXTREME CONDITIONS. TYPAR® FLASHINGS

TYPAR® Building Wraps cover walls with weather-resistant strength. Our flashings contribute to finishing the job right. You can't call the envelope tight, after all, if you've left rough openings open to the intruders—air and water. That's why we don't consider these as just support players in our lineup. But as choices critical to completing the best, high-performance system possible.



### ALL-TEMPERATURE FLASHING

Suitable for installation down to 0°F (-18°C). Thermally stable up to 180°F (82°C). Sticks to wet surfaces. Our All-Temperature Flashing is your extreme conditions product that delivers maximum adhesion to OSB, plywood, aluminum, and building wrap. With its split poly backing, it's easy to install. Plus, it self-seals around nail penetrations.

ALL-TEMPERATURE TYPICAL CHARACTERISTICS						
ADHESIVE	90 PEEL ADHESION	MOLD GROWTH (ASTM G21)	APPLICATION TEMP.	NAIL SEALABILITY (AAMA 711-13)	UV STABILITY	ROLL SIZES
BLOCK COPOLYMER	PLYWOOD: 5.0 LB/IN OSB: 4.6 LB/IN FACER: 4.6 LB/IN	NO GROWTH	0°F (-18°C) TO 180°F (82°C)	PASS	6 MONTHS	4' X 75' 6' X 75' 9' X 75' 12' X 75'



### BUTYL FLASHING

It's designed to be an affordable, easy-to-install, everyday workhorse. But it's far from basic. TYPAR® Butyl Flashing is formulated without VOCs, and it's compatible with most caulks and sealants used for window installation. And unlike rubberized asphalt-based flashings, it performs over a broader temperature range and delivers a durable seal over the long haul.

BUTYL TYPICAL CHARACTERISTICS					
ADHESIVE	RECOMMENDED EXPOSURE LIMIT	COLD PLIABILITY (ASTM C765)	NAIL SEALABILITY (ASTM D1970)	TENSILE STRENGTH (ASTM D412 METHOD A)	ROLL SIZES
BUTYL RUBBER COPOLYMER	180 DAYS	PASS	PASS	PASS	4' X 75' 6' X 75' 9' X 75' 12' X 75'



### FLEXIBLE FLASHING

Rugged. Conformable. And quick to apply. TYPAR® Flexible Flashing is a peel-and-stick solution you can count on for completing sealing around curved windows, window flanges, sill plates, corners, and joints. Based on a two-ply oriented, high-density polyethylene film mated to a premium butyl rubber adhesive and release sheet, it brings high-durability to blocking air and moisture.

FLEXIBLE TYPICAL CHARACTERISTICS					
ADHESIVE	RECOMMENDED EXPOSURE LIMIT	COLD PLIABILITY (ASTM C765)	NAIL SEALABILITY (ASTM D1970)	TENSILE STRENGTH (ASTM D412 METHOD A)	ROLL SIZES
BUTYL RUBBER COPOLYMER	90 DAYS	PASS	PASS	PASS	6' X 75' 9' X 75'



## ASSURANCE BY THE SQUARE INCH. TYPAR® TAPES

With TYPAR®, a little tape goes a long way in delivering full protection. At window flanges, corners, joints, and seams, superior tapes are vital to seal out air and moisture and maintain the highest level of integrity for your commercial or residential building envelope. Better still, the options we've created combine incredible strength with installation simplicity.



### DOUBLE-SIDED SEAMING TAPE

Sticking power. And installation speed. TYPAR® Double-Sided Seaming Tape delivers both. It's ideal for sealing off Drainable Wrap® seams with the proper shingled effect—a technique known for really upping your game in keeping water out. Made as you'd expect out of superior materials, this tough tape features a high-performance adhesive with serious grabbing power, and it installs well over a wide temperature range.

DOUBLE-SIDED SEAMING TAPE TYPICAL CHARACTERISTICS				
PEEL ADHESION (PSTC* 101 MOD; STEEL, 30 MIN DWELL)	TENSILE STRENGTH (PSTC-31*)	ELONGATION	TEMPERATURE RESISTANCE	ROLL SIZES
AIR SIDE: 110 OZ/IN, 12.3 N/CM LINER SIDE: 120 OZ/IN, 13.3 N/CM	12 LBS/IN	155%	MIN APPLICATION TEMP. 15°F (-9°C) MAX APPLICATION TEMP. 200°F (92°C)	15' X 180'



### CONSTRUCTION TAPE

It installs fast, sticks tight, and packs plenty of versatility. Our exclusive, easy-tear edge allows for quick application, while our pressure-sensitive adhesive grabs on aggressively. Seals flanges, corners, joints, seams, and more on residential and commercial jobs. TYPAR® Construction Tape is both UV- and weather-resistant, and you can apply it in cold conditions down to 0°F (-18°C).

CONSTRUCTION TAPE TYPICAL CHARACTERISTICS				
PEEL ADHESION (PSTC-1*): IMMEDIATE	TENSILE STRENGTH (PSTC-31*)	ELONGATION	TEMPERATURE RESISTANCE	ROLL SIZES
TYPAR: 35 OZ/IN STAINLESS STEEL: 75 OZ/IN	20 LBS/IN	136%	MIN APPLICATION TEMP. 0°F (-18°C) MAX APPLICATION TEMP. 230°F (110°C)	1-7/8' X 165' 3' X 165'

\*Pressure-Sensitive Tape Council.

## THEY'RE NOT EXTRAS, BUT ESSENTIALS. TYPAR® ACCESSORIES

What difference do the accessories make? If we're talking about TYPAR accessories, they make all the difference. Because wall penetrations can be weak points in a building envelope that's not totally sealed, our system includes go-to products vital to true high-performance. Use it all together and leave nothing to chance.



### ELECTRICAL FLASHING PANELS

Forget chemical sealants and eliminate extra steps. This surprisingly simple solution installs fast, saves labor, and works with most types of cladding. But it also provides a strong way to stop air leakage and water intrusion around electrical wall penetrations.

ELECTRICAL TYPICAL CHARACTERISTICS	
APPLICATION	PANEL SIZE
FITS LOW VOLTAGE ROUNDED WIRE, COAXIAL CABLE (ALSO USED WITH ELECTRICAL PIPES THROUGH BRICK AND STONE VENEERS)	11-1/8" X 11-1/8" X 3/32"



### PLUMBING FLASHING PANELS

Our plumbing flashing panels deliver the same installation and performance advantages. Like our electrical flashing panels, the lineup includes a variety of sizes to meet your needs. And you can install them either before or after the building wrap.

PLUMBING TYPICAL CHARACTERISTICS	
APPLICATION	PANEL SIZE
FITS COPPER*, RIGID, PVC, OR ABS* PIPES (CAN ALSO BE USED FOR ELECTRICAL CONDUIT)* ALSO FITS 4", 5", OR 6" SINGLE WALL SHEET METAL DUCT*	11-1/8" X 11-1/8" X 3/32" 12-1/2" X 12-1/2" X 3/32"
* Fits 1/8" to 3/8", 1/2" to 3/4", 1" to 1-1/4", 1-1/2" to 1-3/4", 2" to 2-1/2", 3", 4", or 6" pipe depending on model.	



### A/C FLASHING PANELS

Tricky tasks call for specialized solutions. Our selection of time-saving flashing panels also includes easy answers for the challenge of weatherproofing around A/C lines. Plus, the panels can be painted to blend with the home's exterior.

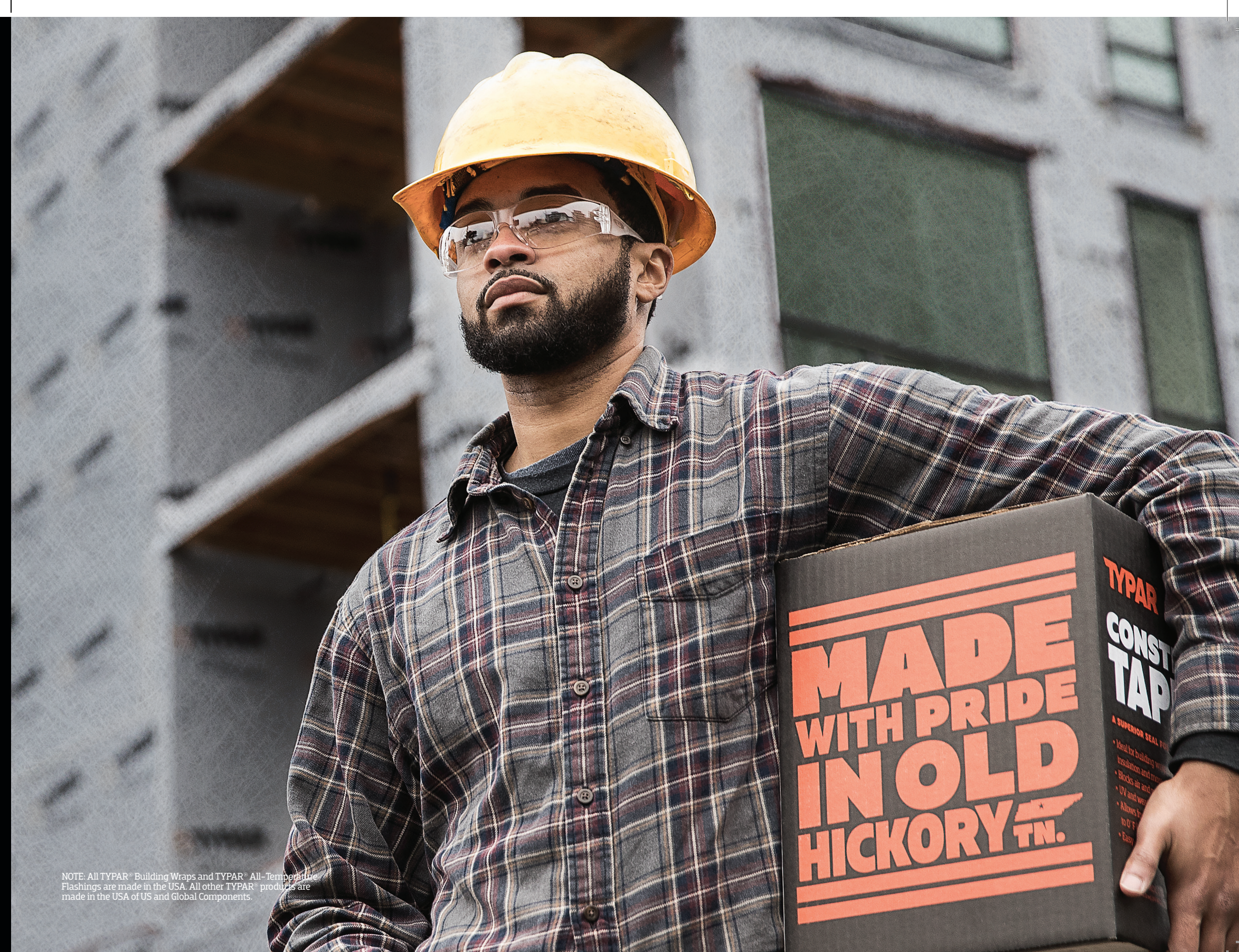
A/C TYPICAL CHARACTERISTICS	
APPLICATION	PANEL SIZE
A/C LINE SET CURVED FLASHING PANEL; PAINTABLE TO MATCH EXTERIOR*; USE ON 1-COAT STUCCO, 3-COAT STUCCO, AND SLIDING EXTERIORS; FITS LINE SETS WITH 1-1/2" TO 2-3/4" INSULATION TUBING	16" X 18"

\*ABS pipe compatibility varies by model. Visit [typar.com](http://typar.com) for more details.  
\*Electrical conduit compatibility varies by model. Visit [TYPAR.com](http://TYPAR.com) for more details.

\*Single wall sheet metal duct compatibility varies by model. Visit [TYPAR.com](http://TYPAR.com) for more details.  
\*Hub must be primed and painted after installation.

# A FINAL WORD ABOUT GETTING YOUR WEATHER PROTECTION FACTS STRAIGHT.

Without a doubt, we stand by our superiority in standing up to the elements. But we also know the science behind homes and commercial structures that are efficient, safe, and comfortable. Want to know the facts that make the TYPAR® Weather Protection System the most complete, high-performance, building-envelope-sealing package? We're more than ready to talk.



NOTE: All TYPAR® Building Wraps and TYPAR® All-Temperature Flashings are made in the USA. All other TYPAR® products are made in the USA of US and Global Components.