



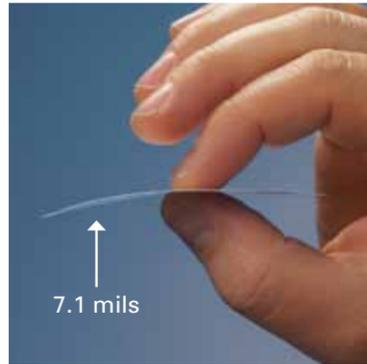
The science of better-performing buildings.



Tyvek.

Small detail. Big impact.

Of the hundreds of decisions you and your team make every day, choosing a weather barrier system containing either DuPont™ Tyvek® CommercialWrap® or Tyvek® CommercialWrap® D is one of the easiest things you can do to make a significant difference in energy efficiency and overall building performance.



DuPont™ Tyvek® is a tough, spunbonded polyethylene membrane with microscopic pores that resist bulk water and air penetration while allowing moisture vapor to pass through.

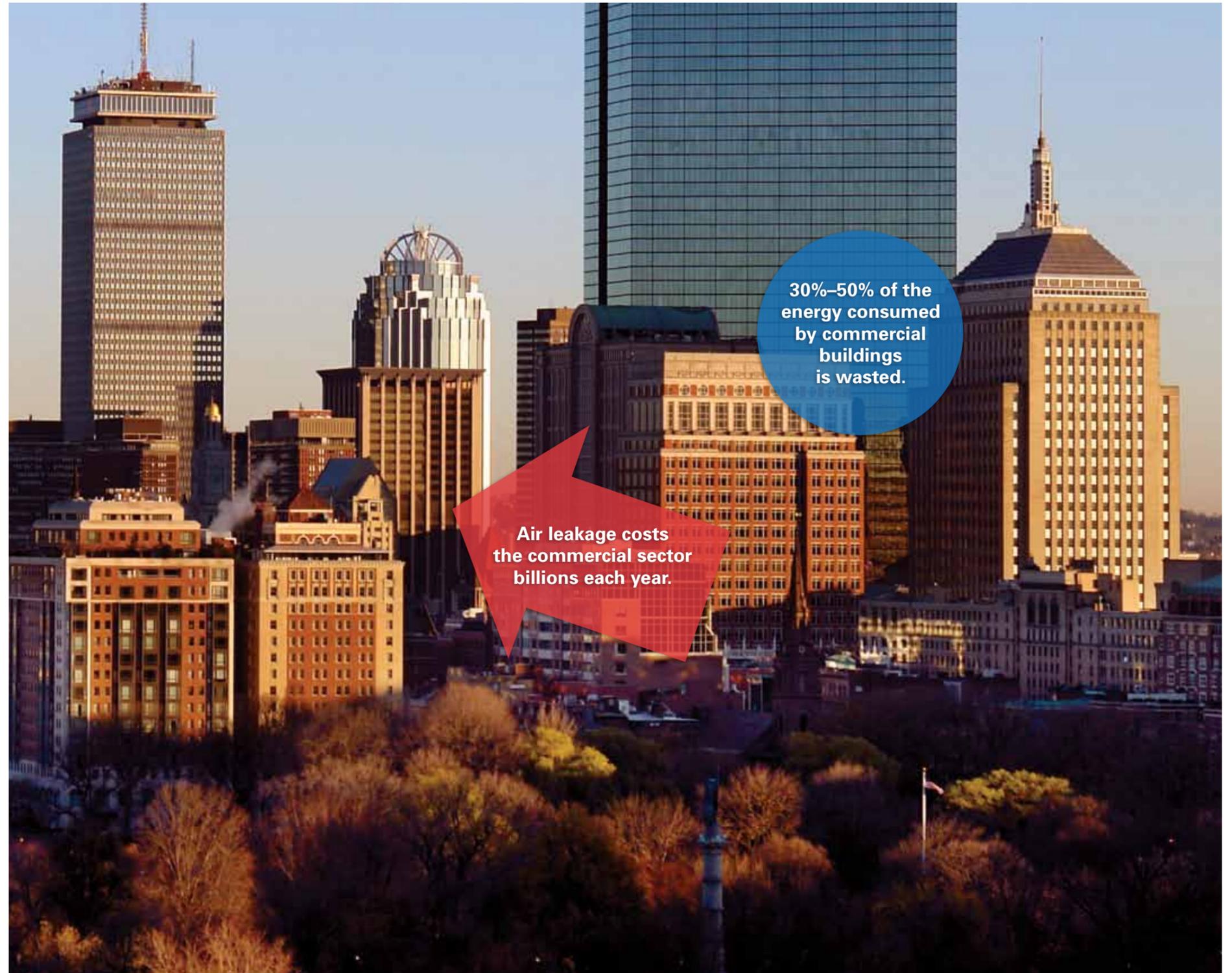
Return on investment

DuPont™ Tyvek® weather barriers are a simple, cost-effective way to reduce operating costs and increase energy efficiency.

By controlling airflow, holding out bulk water and allowing interior moisture vapor to escape, DuPont™ Tyvek® weather barriers reduce the energy needed to heat and cool buildings—and create a more sustainable, durable structure that continues to operate efficiently, year after year.

Easy decision. Even easier installation.

From helping you understand how the weather barrier system works to supervising installation, we're here to help. Our dedicated network of DuPont™ Tyvek® Specialists have the building science expertise and job-site experience to make sure the job is done right.



30%–50% of the energy consumed by commercial buildings is wasted.

Air leakage costs the commercial sector billions each year.

A 2005 National Institute of Standards and Technology study* indicated that a weather barrier system such as DuPont™ Tyvek® CommercialWrap® can reduce building air leakage by as much as 85%—realizing up to 40% savings in natural gas and up to 25% savings in electricity, annually.

*NISTIR 7238 U.S. Department of Energy, June 2005, by S.J. Emmerich, T. McDowell and W. Ains.

Improved energy efficiency.

DuPont Weatherization Systems products help seal the building envelope, keeping drafts and wind out of wall cavities to help reduce the energy needed for heating and cooling.

Meet increasing energy codes today

Energy codes that recognize the importance of sealed buildings and energy efficiency continue to gain acceptance.

Several states have developed legislation on air barriers, as well as compliance criteria. DuPont Weatherization Systems products help you meet imminent code requirements today.

Air leakage rate standards

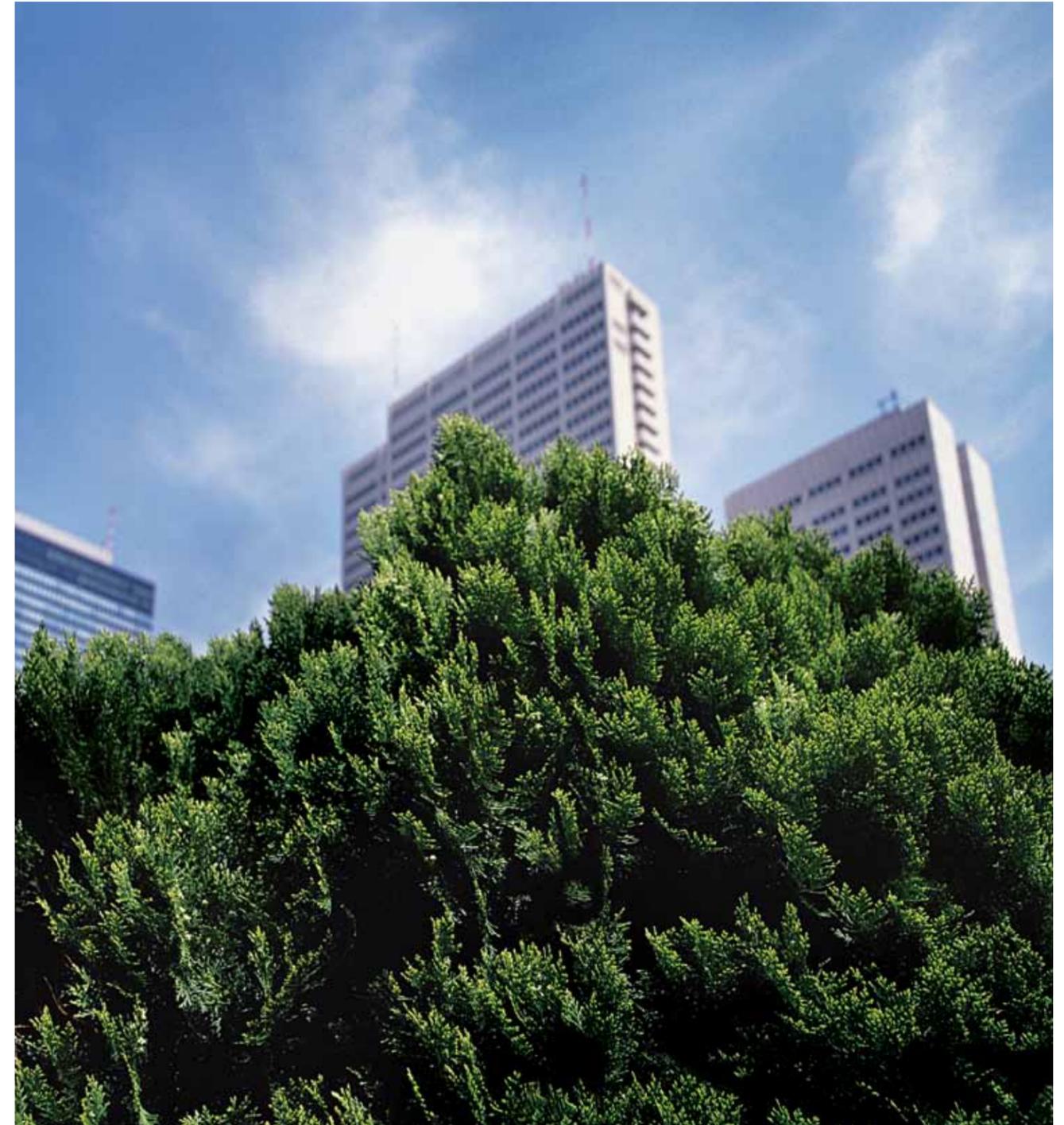
Codes and regulations	Compliance requirements: air infiltration, cfm/ft ²		
	Material ASTM E2178	Assembly ASTM E1677/ASTM 2357	Whole building*** ASTM E779
The National Building Code of Canada (1995 NBC)	0.004	—	—
Massachusetts Energy Code (July 2001)	0.004	—	—
Minnesota Energy Code (2009)	0.004	—	—
New Hampshire Energy Code (2009)	0.004	—	—
Georgia Energy Code (2009)	0.004	—	—
Rhode Island Energy Code (2009)	0.004	—	—
Oregon Energy Code (2009)	0.004	—	—
ASHRAE 90.1* & 189**	0.004	or 0.04**	—
U.S. Army Corps of Engineers	—	—	0.25

*ASHRAE 90.1 AB Proposal in progress, targeted for ASHRAE 90.1 2010.
 **ASHRAE 189, Sustainable Building Standard—in progress.
 ***ASHRAE Proposal; U.S. Army Corps of Engineers (USACE) Standard.

Earn LEED® credits

By helping seal the building envelope for improved energy efficiency and air quality, DuPont Weatherization Systems products help contribute toward LEED® (Leadership in Energy and Environmental Design) credits in the following categories:

- Energy & Atmosphere
- Indoor Environmental Quality

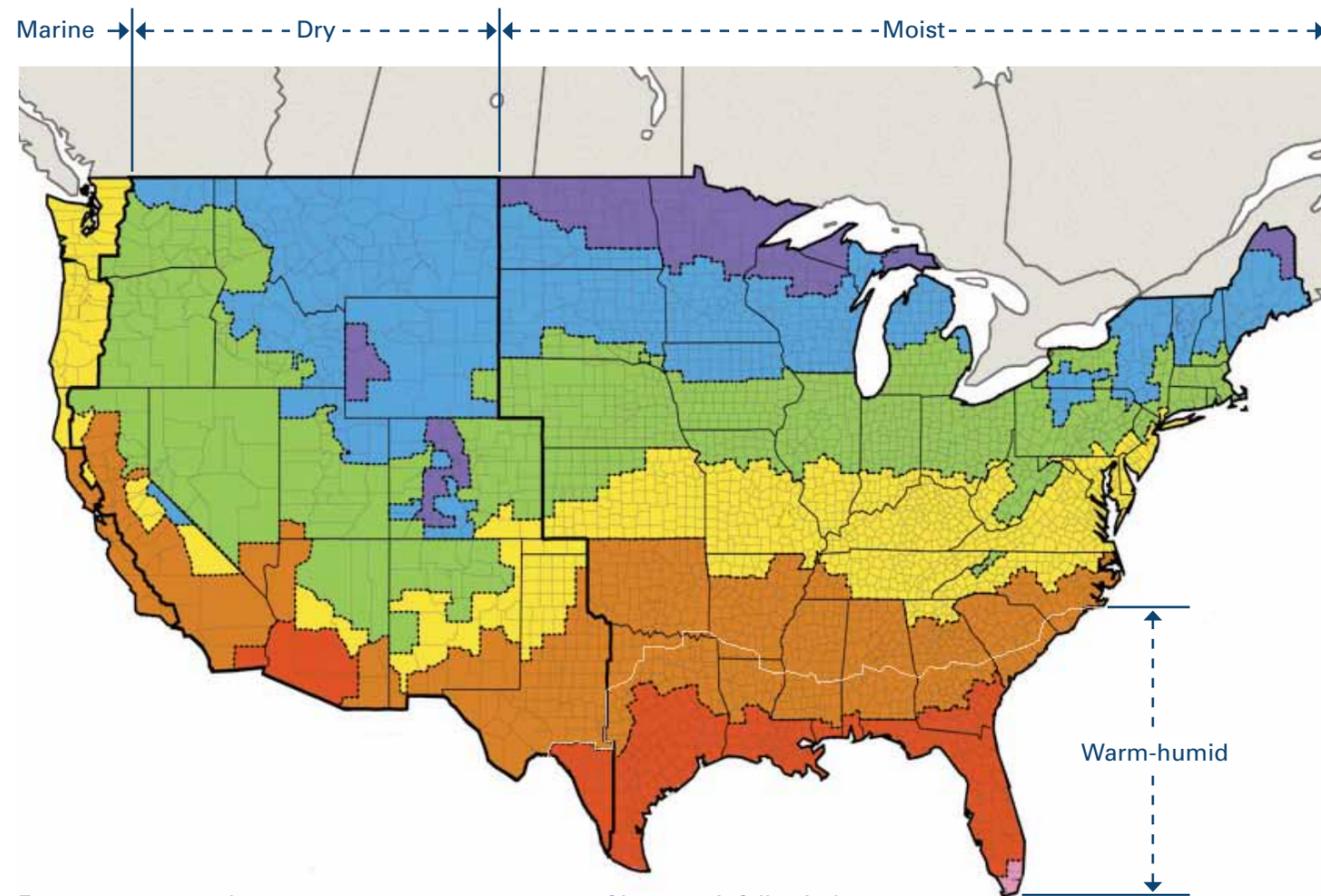


In the United States alone, buildings account for 30% of all greenhouse gas emissions,¹ 65% of electricity consumption,² 30% of raw materials use³ and 36% of total energy use.¹

1. U.S. Department of Energy, Energy Information Administration, "Emissions of Greenhouse Gases in the United States 1999."
 2. U.S. Department of Energy, Energy Information Administration, March 2001, Monthly Energy Review.
 3. Lensen and Roodman, 1995, "Worldwatch Paper 124: A Building Revolution: How Ecology and Health Concerns are Transforming Construction," Worldwatch Institute.

Performance in any climate.

While construction materials and practices may vary by region, the need for energy savings is universal. Fortunately, the unique balance of properties and superior vapor permeability of DuPont Weatherization Systems products make them equally effective across a wide range of challenging environments.



From vast seasonal temperature extremes to areas of heavy rainfall, wind, snow or humidity, DuPont Weatherization Systems products are scientifically engineered to improve building performance under any conditions. By helping stop air flow through walls, holding out bulk water and allowing moisture vapor to escape from within, DuPont™ Tyvek® CommercialWrap® and Tyvek® CommercialWrap® D work to improve energy efficiency year-round.

*Map courtesy of ASHRAE 90.1 climate zone maps.



Improves air control for greater energy savings
Reduces air leakage and helps protect the installed R-value of insulation for greater energy savings, making it ideal for cold climates.



Superior water hold-out
Helps keep out water and wind-driven rain, an ideal solution in regions with heavy precipitation.



Effective across a wide range of temperatures
Helps ensure energy savings in every season, especially in regions that experience wide changes in temperature and extreme climate conditions.



Allows moisture vapor to escape
Combines superior bulk water hold-out with vapor permeability that allows moisture vapor to escape, helping prevent moisture accumulation in walls that can lead to the formation of mold and mildew.

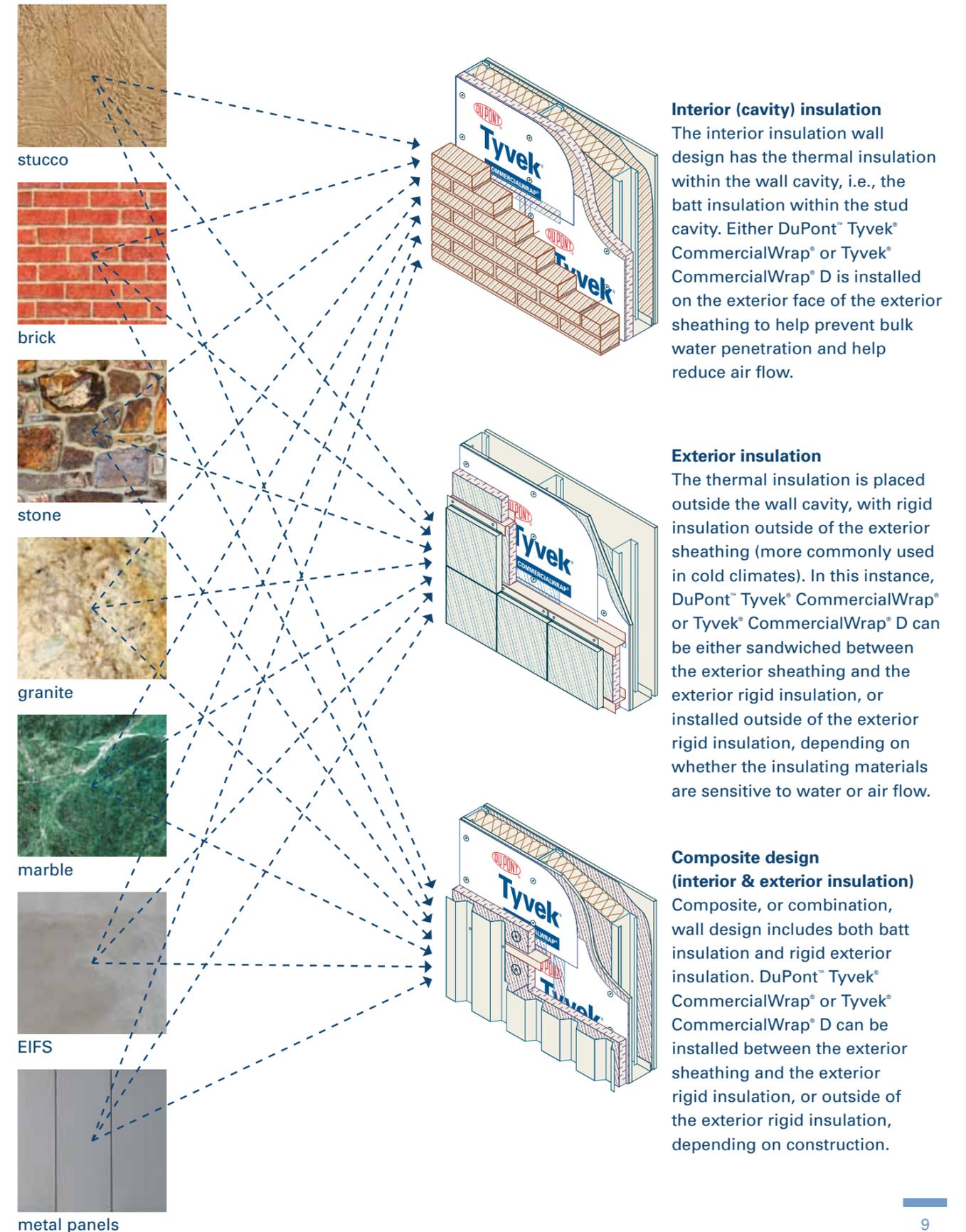
Performance with any design.

DuPont Weatherization Systems products are designed to integrate seamlessly under a wide variety of commercial facades, including: stucco, stone, marble, metal panels, brick, granite and EIFS (synthetic stucco).

Walls are no obstacle, either. That's because DuPont™ Tyvek® weather barriers are durable, flexible membranes that can be easily installed in a variety of different wall assemblies.



There is a DuPont™ Tyvek® weather barrier system for virtually every type of commercial construction, with products such as DuPont™ Tyvek® CommercialWrap®, Tyvek® CommercialWrap® D, Tyvek® Tape, Tyvek® Wrap Caps and DuPont™ Flashing Systems.



The right balance of properties leads to better performance.

All four barrier properties—durability, air resistance, water resistance and vapor permeability—are critical for managing air and moisture movement through a building envelope and for ensuring material performance in the application. However, competing demands make it difficult for most materials to achieve this balance.

Most products rate high in only one or two properties. For example, an increase in vapor permeability is achieved at the expense of performance in water resistance and/or air infiltration resistance. Conversely, an increase in air and/or water resistance is achieved at the expense of performance in vapor permeability.

Only DuPont™ Tyvek® CommercialWrap® and Tyvek® CommercialWrap® D deliver the best balance of properties to help you create sustainable buildings that cost less to operate, are easier to maintain and provide better comfort, year-round.



With superior tear-resistance and 9-month UV protection, DuPont Weatherization Systems products also stand up to even the toughest job-site conditions.



An integrated system for maximum performance.



Membranes

DuPont™ Tyvek® CommercialWrap®

Engineered to provide excellent performance as a weather barrier, DuPont™ Tyvek® CommercialWrap® offers the added strength and durability needed in commercial construction by offering 270 days of UV resistance. It also helps to deliver the best balance of weather protection, air and moisture management, and energy savings.

DuPont™ Tyvek® CommercialWrap® D

A premium, durable weather barrier that offers a specially engineered surface texture designed to provide superior water drainage under a variety of facades. It offers a high tear and wind load resistance and 270 days of UV resistance to deliver the best balance of weather protection, air and moisture management, and energy savings.

DuPont™ Tyvek® ThermaWrap™

A durable weather barrier with a low-emissivity metallized surface designed to manage radiant heat flow by reflecting solar radiation away from the building to help improve energy efficiency and reduce heating and cooling costs. Offers 120 days of UV resistance.



DuPont™ Flashing Systems

DuPont™ FlexWrap™ NF

A premium performance, extendable self-adhered flashing material that can be applied over a wide range of building substrates.

DuPont™ StraightFlash™

A premium, durable, self-adhered flashing material for straight jambs and heads of rectangular windows to help prevent water damage from wind-driven rain.

DuPont™ StraightFlash™ VF

An innovative, dual-sided, self-adhered flashing material for brick mold and non-flanged windows and doors, designed to prevent water damage from wind-driven rain.

DuPont™ Thru-Wall Flashing

A durable, flexible, self-adhered flashing material made with DuPont™ Elvaloy® copolymer helps to manage water away from the building envelope by providing superior drainage control around commercial building foundations and other critical transition areas.

Accessories

DuPont™ Commercial Sealant

A durable, highly flexible sealant that helps to protect against air and water infiltration at critical interface areas, such as window and door installations and other commercial construction applications.

DuPont™ Tyvek® Tape

Specially engineered adhesive tape for use with DuPont Weatherization Systems products creates a continuous barrier, providing maximum reduction of air and water infiltration through the building envelope.

DuPont™ Tyvek® Wrap Caps

The recommended fastening method designed to provide optimal holding power when securing DuPont Weatherization Systems products in commercial buildings.

Superior products. Unparalleled field support.

Because you have a multitude of other concerns when designing and constructing a building, we're committed to making it as easy as possible for you to specify and install DuPont Weatherization Systems products—including hands-on job-site training, a 10-year limited warranty, and opportunities for continuing education credits in building science.



The DuPont™ Tyvek® Specialist Network

The DuPont™ Tyvek® Specialist Network is an elite team of highly trained field representatives, including a group that is focused specifically on commercial building applications.



Unparalleled Expertise

These commercial Specialists participate in a five-year certification process that includes a university-level curriculum and rigorous testing in product knowledge and building science. You can count on your DuPont™ Tyvek® Specialist to help you locate and specify a DuPont™ Tyvek® commercial dealer in your area and help ensure proper installation of DuPont Weatherization Systems products.



DuPont Weatherization Systems Products 10-Year Limited Warranty

DuPont™ Tyvek® weatherization products come backed by a limited, product-only warranty from DuPont, a company that has been dedicated to providing innovative and reliable products for more than 200 years. DuPont also offers a product and labor warranty option when certain requirements are met. One requirement of the product and labor warranty is a documented job-site checklist and observation process, conducted by a DuPont™ Tyvek® Specialist, to help you ensure that your DuPont Weatherization Systems products are installed properly.



Continuing Education

To help you stay current on building practices and specifications, your local DuPont™ Tyvek® Specialist offers AIA-CES and CSI-CEN Learning Units for a broad range of continuing education requirements.

DuPont building science.

A building is a testament to the people who work hard to design, develop and build it. DuPont building science plays a large role in helping you create buildings that are sounder; look newer, longer; and provide greater environmental sustainability.

We put our rich history of research and discovery to work every day to deliver science-based solutions for better buildings and a better world. You trust our products for their forward-looking innovation, the quality they represent and because they set the standard in each category—and we don't take that trust lightly. That's why we're committed to the continual development of innovative products with integrated systems and services—so you can continue to deliver buildings that are better through science.



DuPont Weatherization Systems
www.Weatherization.Tyvek.com
1-800-44-Tyvek



DuPont Photovoltaic Solutions
www.photovoltaics.dupont.com
1-800-448-9835



DuPont Cabling Solutions
www.dupont.com/cablingsolutions
1-866-383-5623



DuPont® SentryGlas®
www.dupont.com/safetyglass
1-800-438-7225



DuPont® Sorona® Fiber
www.sorona.dupont.com
1-866-476-7662



DuPont® Corian® solid surfaces
www.corian.com
1-800-436-6072



DuPont® Zodiac® quartz surfaces
www.zodiac.com
1-800-436-6072



DuPont Refrigerants
www.refrigerants.dupont.com
1-800-235-7882



DuPont Filtration Solutions
www.SeparationsSolutions.dupont.com
1-800-448-9835

DuPont Building Innovations
1-800-44-Tyvek
www.Weatherization.Tyvek.com



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