

DELTA[®]

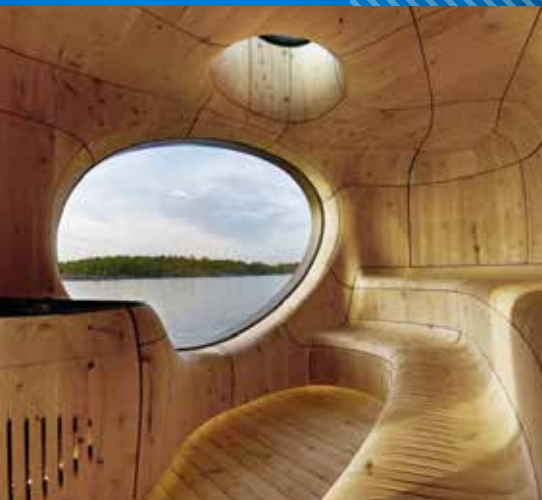
HIGH PERFORMANCE AIR & MOISTURE BARRIERS

DÖRKEN

DELTA[®]

HIGH PERFORMANCE AIR AND MOISTURE BARRIERS

For Better Protection



NO ONE KNOWS PROTECTION LIKE WE KNOW PROTECTION.

Dörken Systems Inc. is the North American division of Ewald Dörken AG in Germany. Ewald Dörken AG has been in business since 1892, longer than almost any other building materials company. For more than 125 years, Dörken has been delivering innovative, high-performance air and moisture barriers for both commercial and residential construction, protecting all types of buildings from around the world in the most extreme weather conditions.



A commitment to better building.

We're proud that our DELTA® air and moisture barrier systems support high-performance green buildings. Several of our products have a Health Product Declaration® (HPD), allowing architects designing LEED® buildings to confidently choose DELTA®. HPD helps achieve the LEED® v4 Material Ingredient Reporting credit.



A commitment to a sustainable environment.

Building sustainably includes manufacturing. At Dörken, we do not manufacture products or by-products that have a negative impact on our world. We protect our environment and the people who work with us, while producing high-quality, sustainable products.



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AIR- AND WATER-RESISTIVE BARRIERS

Air and moisture control are critical to the sustainability and longevity of a building, for both energy-efficiency and protection against potential moisture damage. Our above-grade DELTA® barriers meet the highest performance specifications in commercial and residential construction. This means your buildings stay dry, use less energy, and last longer.



Residential Solutions

High-performance air and moisture control products protect against expensive moisture damage, while adding energy efficiency and comfort to a home. Our range of innovative DELTA® products will ensure the most suitable product for your specific project.



Commercial Solutions

As commercial buildings become more energy efficient and are required to meet higher performance standards, air and moisture control in the building envelope is vital. DELTA® delivers the technical support and products to enable architects to specify the best solution for each building.



DELTA®-VENT SA

100% SEAL EVERY TIME HELPS BUILDINGS STAY DRIER AND LAST LONGER.

Conventional barrier products, like bitumen sheets and sprays, are often vapor impermeable or difficult to apply in field conditions. As a result, they can allow air and water leakage due to uneven application. This can lead to air leakage, increased heating and cooling costs, as well as mold and long-term water damage.

Factory-controlled quality of highly vapor permeable DELTA®-VENT SA, the only air- and water-resistive barrier with a self-adhering edge lap, ensures every building is 100% sealed. With DELTA®-VENT SA, buildings stay drier, save energy, and last longer.

KEY HIGHLIGHTS:

- Industry-leading vapor permeability (50 perms)
- Lightweight and tear resistant, withstanding the rigors of job sites and weather
- Simple application helps ensure proper installation
- Exceeds stringent requirements of the Air Barrier Association of America (ABAA)
- IBC, IRC (ICC ESR 2932) compliant, meets ICC AC 38, Red List Compliant, DECLARE
- Health Product Declaration® (HPD 2.0) for LEED® 4.0

WATER TIGHT. AIR TIGHT. WEATHER TIGHT.



DELTA®-VENT S

ENSURES AN AIR- AND MOISTURE-TIGHT BUILDING.

Improved airtightness helps buildings achieve higher levels of energy efficiency. Standard housewraps, often used to achieve this, are easily damaged. Every staple hole, seam, or wall penetration allows for movement of air, which can lead to unwanted condensation due to temperature differentials across the wall.

DELTA®-VENT S is a mechanically attached, heavy-duty, highly vapor permeable air- and water-resistive barrier that resists the passage of bulk water from wind-driven rain and snow. Its high vapor permeability allows any moisture accumulation within the structure to easily escape via diffusion, leaving your building drier, longer.

KEY HIGHLIGHTS:

- Allows damaging moisture to escape, creating a healthier building
- Maximizes airtightness, making it ideal for energy-efficient construction
- Matte black color reduces blinding glare during installation
- Health Product Declaration® (HPD 2.0) for LEED® 4.0





PROJECT PROFILE

BUDD'S JAGUAR AND LAND ROVER DEALERSHIP

PROJECT HIGHLIGHTS:

Building Location:	Oakville, Ontario, Canada
Project Size:	80,000 sq. ft.
Project Type:	Automotive Retail Design
Cladding Type:	Alucobond (ACM) Panels
Total Building Value:	\$2.2 Million (CDN)
Featured Product:	DELTA®-VENT SA

High-performance Building Protection to House Performers

Anyone who knows luxury vehicles also knows state-of-the-art sales and service facilities are part of the prestige that comes with them. Budds', a Canadian chain of luxury car dealerships, has taken this tradition to heart for its Jaguar and Land Rover dealership by building a new, fully equipped, premium building that better reflects the quality and luxury for which its imported products are known.

Both Airtight and Vapor Permeable

To create a high-performance wall system that enhances building performance at a premium facility, DELTA®-VENT SA was selected as the go-to product to be used across the entire dealership exterior. The membrane uses industry-leading technology to create a continuous water-, air-, and weather-tight barrier that prevents dangerous moisture from getting into buildings. It also allows moisture that is already in the walls to escape. DELTA®-VENT SA helps eliminate the building enclosure's risk of mold and other problems caused by moisture.



A Healthy, Comfortable, and Energy-efficient Building

For Budds' Jaguar and Land Rover dealership, DELTA®-VENT SA's airtight properties will also contribute to a healthy, comfortable, and energy-efficient building, which are priorities for today's building industry. Airtight structures are ones where any unintended gaps in the building envelope are eliminated, gaps that would otherwise cause air and energy leakage in or out of the building.

Easy, Workable, and Straightforward

The installation team stated that installing DELTA®-VENT SA throughout the Budds' Jaguar and Land Rover dealership was practical, smooth, and quick, particularly given the scale of the project. When moving from one corner to another, installers appreciated the total width and length of each roll as it enhanced the logistics of their workflow. Overall, installing DELTA®-VENT SA on Budds' Jaguar and Land Rover dealership was a seamless success. The team commended the method of getting the product from Dörken's North American facility, where those involved helped move the project forward quickly and without complication.

For more than 40 years, Budds' has developed and maintained a legacy built on high-level, all-encompassing service. Aligning with Budds' testament to quality customer care and reputation, DELTA®-VENT SA will effectively protect this project from the elements well into the future.





DELTA®-STRATUS SA

EXTREME UV PROTECTION FOR LASTING PERFORMANCE.

UV exposure can destroy the integrity of your building materials, leading to harmful, long-term effects such as air leakage and water ingress. But it's hard to combat something you can't see. And with no industry standard to reference, manufacturer claims are not always what they seem.

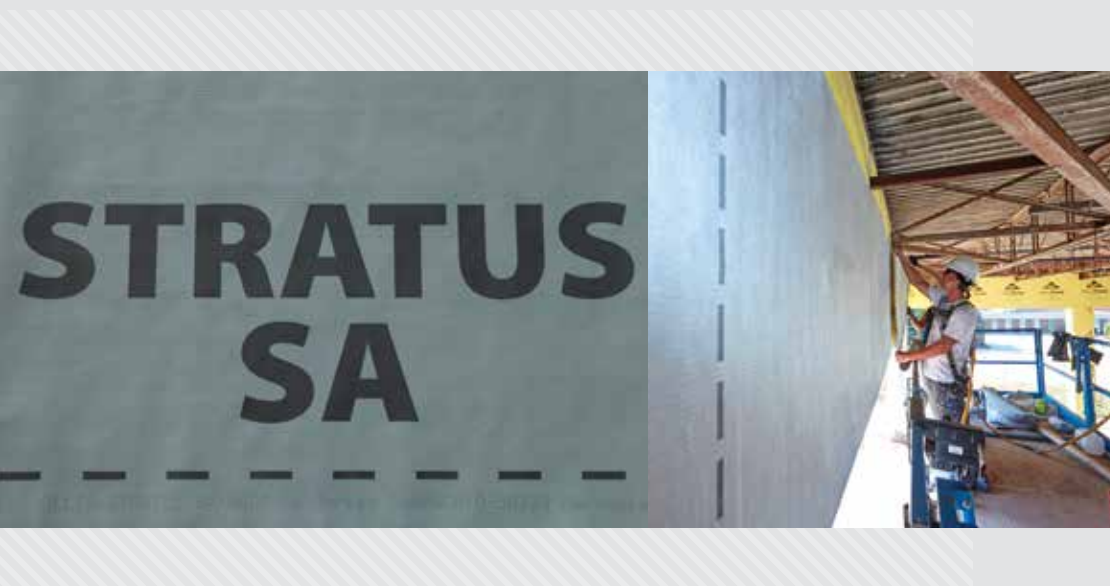
Rigorously tested, new DELTA®-STRATUS SA air- and water-resistive barrier is reliably airtight and stands up to the exposure claims it promises. This means you can continue to get the performance you need – even during longer construction cycles. Count on lasting building performance you can clearly see.

KEY HIGHLIGHTS:

- Industry-leading UV protection rigorously tested for real-world conditions
- UV/weather exposure up to 180 days in climate zones 3-8 or up to 150 days in climate zones 1-2
- Four-layer, fully self-adhered WRB and air barrier featuring an innovative UV-resistant acrylic coating
- Simple application helps ensure proper installation
- High vapor permeability (50 perms)



THE ONLY WRB WITH A UNIQUE FOURTH LAYER OF EXTREME UV PROTECTION



TWO WAYS TO PROTECT YOUR OPEN-JOINT CLADDING STRUCTURES FOR THE WAY YOU BUILD.

Some of the most cutting-edge buildings in the world use open-joint claddings. This does require extra attention to manage rain, wind, and UV light.

Now there is more choice to help you protect your open-joint cladding design. Backed by years of proven performance and research, DELTA®-FASSADE S highly UV-resistant WRB that provides you the water, wind, and UV protection for which you're looking. Alternatively, choose DELTA®-FASSADE SA, a self-adhering air- and water-resistive barrier especially designed for open-joint claddings.



DELTA®-FASSADE S

A HIGH-PERFORMANCE WATER-RESISTIVE BARRIER DESIGNED TO BE INSTALLED IN FRONT OF CONTINUOUS INSULATION.

KEY HIGHLIGHTS:

- Designed for permanent UV exposure
- Mechanically attached
- Integrates well with most open-joint cladding systems, e.g. Trespa, Swisspearl, Eternit, Fundermax and more
- Available as DELTA®-FASSADE S PLUS with integrated adhesive edge
- IBC and IRC (ICC ESR-2932) compliant



THINK OF US AS THE AIR- AND WATER-RESISTIVE BARRIER
KNOW-IT-ALLS OF OPEN-JOINT CLADDING.



DELTA®-FASSADE SA

A SELF-ADHERED AIR- AND WATER-RESISTIVE MEMBRANE DESIGNED TO BE INSTALLED ON THE STRUCTURAL SHEATHING.

KEY HIGHLIGHTS:

- Industry-leading UV protection
- Fully self-adhered water and air barrier; no fasteners required
- Matte black color enhances appearance of open-joint cladding
- Split-release liner for easy application
- Suitable for buildings under IRC, type V-B construction under IBC, and under 40' with no plastic foam insulation under IBC





PROJECT PROFILE

SCIENCE PYRAMID, DENVER BOTANIC GARDENS

PROJECT HIGHLIGHTS:

Building Location:	Denver, Colorado, USA
Project Size:	5,258 sq. ft.
Project Type:	Science Exhibition New Construction
Cladding Type:	Swisspearl® composite panels
Total Building Value:	\$6 Million (USD)
Featured Product:	DELTA®-FASSADE S, DELTA®-VENT SA

Inspired by nature, protected by science.

The Science Pyramid at Denver Botanic Gardens invites visitors to explore the relationship between people and plants, and to examine the role of biomimicry in our lives – the way the features of nature inspire ideas and actions in people. It's not surprising then that the building has a great relationship with its surroundings. Rising to a comfortable height among the area's ground-level structures, the angles and scale of the 34-foot-high pyramid are almost a mirror image of the Garden's amphitheater next to which it sits.

Siding used as a roof.

The impressive structure has 16 sides consisting of hexagonal panels in a honeycomb design, with painted steel and angular windows. The exterior is covered in a dark gray cement composite panel material by Swisspearl®, often used as siding but here used as a roof material for the first time. Below the rainscreen, the roof features five inches of insulation, taking its cue from cold roofing projects seen in the mountains.



A roof or a wall? It's both.

Pyramid shapes present a challenge because the enclosures are both roof and wall. The shape, usage, cladding, and climate multiply the complex dimensions of maintaining a watertight exterior while managing the moisture generated within. Additionally, the open joints expose the membrane behind the cladding. For this project, the water-resistive barrier (WRB) has to provide all the performance criteria of a regular WRB along with long-term resistance to UV light and the impact of wind, rain, and snow. The extremes of Denver's winter and summer climate as well as the high UV index made the performance requirements even more stringent.

Weatherproofing performance.

DELTA®-VENT SA provides the air and water barrier at the plywood substrate. Because of its high vapor permeability, DELTA®-VENT SA prevents significant interior moisture build-up while remaining watertight. Because DELTA®-VENT SA is fully adhered, the enclosure will be more airtight than with a mechanically attached air barrier. DELTA®-FASSADE S provided the final weatherproofing step. It has extremely high UV resistance so the light coming through the open joints will not degrade its weatherproofing qualities. Like DELTA®-VENT SA, DELTA®-FASSADE S is watertight yet highly vapor permeable. The insulation that lies underneath will stay reliably dry and functioning at maximum R-value.

Working together, DELTA®-FASSADE S and DELTA®-VENT SA ensure a watertight enclosure that also manages moisture in a complex climate. The flat black of the DELTA®-FASSADE S also enhances the beauty of the Science Pyramid, adding depth and dimensionality that heightens the striking appearance of this landmark building.



ENGINEERED RAINSCREENS FOR DRAINAGE AND VENTILATION

A rainscreen provides a space for ventilation and drainage behind the cladding. This prevents moisture damage in the enclosure by effectively draining and ventilating water that gets past the cladding to the exterior. Especially in the case of absorptive claddings, like stucco and adhered stone, an engineered rainscreen creates a safety buffer against damage due to solar-driven and incidental moisture.



DELTA®-DRY

HIGH-PERFORMANCE RAINSCREEN SYSTEM KEEPS WALLS DRY.

Without proper ventilation and drainage, moisture can accumulate between the water-resistive barrier and cladding of a building. This issue is particularly evident with absorptive or reservoir claddings.

A rainscreen separates the cladding from the substructure, allowing water that penetrates into the wall to drain and moisture to evaporate. DELTA®-DRY is an innovative ventilated rainscreen for complete moisture protection.

KEY HIGHLIGHTS:

- Unique 3-dimensional dimple and groove design
- Made of special High-Density Polyethylene (HDPE)
- Ventilated air space allows interior water vapor to escape
- Provides a full capillary break behind the cladding
- Drains bulk water
- ICC compliant (ICC ESR-2987)



DELTA®-DRY STUCCO & STONE

VENTILATED RAINSCREEN FOR ADHERED STONE AND CONVENTIONAL STUCCO CLADDINGS

Absorptive claddings such as stucco and adhered stone increase the risk of solar-driven moisture, which puts wood substrates at high risk of water damage. They require specialized moisture control.

DELTA®-DRY STUCCO & STONE is a ventilated rainscreen with a pre-installed mortar screen that reduces scratch coat mortar consumption. Air-gaps on the interior and exterior side of the membrane make it the ideal protection behind adhered stone veneer and conventional stucco.

KEY HIGHLIGHTS:

- Specially designed for stucco and stone applications
- Structured membrane provides two-sided exterior and interior drainage
- Stops solar-driven moisture, unlike open-fiber mesh
- Pre-installed mortar screen saves on mortar costs
- ICC compliant (ICC ESR-2987)



DELTA®-DRY & LATH

THE 2-IN-1 RAINSCREEN SOLUTION FOR STUCCO AND STONE APPLICATIONS.

DELTA®-DRY & LATH is a new 2-in-1 rainscreen solution that helps protect against mold, rot, and decay by effectively draining and drying, resulting in superior

long-term protection. It has a factory pre-applied fiberglass lath that doesn't corrode. It is easier and safer for installers to handle.

KEY HIGHLIGHTS:

- Combines proven technology of DELTA®-DRY rainscreen with fiberglass lath for a complete system
- Eliminates an entire step from installation, reducing labor costs
- Fiberglass lath meets ICC-ES AC 275
- Meets MVMA requirements
- Meets ASTM E2925-17 (Standard Specification for Manufactured Polymeric Drainage and Ventilation Materials Used to Provide a Rainscreen Function)
- IRC compliant (IAPMO ER 323)

DELTA®-DRY RAINSCREEN
+ PRE-INSTALLED FIBERGLASS LATH

DELTA®-DRY & LATH



PROJECT PROFILE

LOCKHART FIRE STATION HEADQUARTERS

PROJECT HIGHLIGHTS:

Building Location:	Lockhart, Texas, USA
Project Size:	2,700 sq. ft.
Project Type:	Municipal Fire Station
Cladding Type:	Stucco
Total Building Value:	\$850,000 (USD)
Featured Product:	DELTA®-DRY & LATH, DELTA®-VENT SA



A fire station is an icon of safety, part of the community, and central to everyday life. Recognizing the need to create a building that symbolized these values through design and performance was the driver behind the newly designed and rebuilt Lockhart Fire Rescue Headquarters in Lockhart, Texas. Designed by Studio Steinbomer and built by Countywide Builders.

Both air tight and vapor permeable.

The exterior of the Fire Station is made up of stucco cladding – a design element that can be resistant to fire, rot, mold, impact, and termite infestation for as long as 100 years if properly installed. This design required a durable building envelope that could withstand a notoriously hot and humid climate in Texas – with a focus on air tightness and vapor permeability.

Better building performance depends largely on the building materials used. Using industry-leading technology, DELTA®-VENT SA creates a continuous water-, air-, and weather-tight barrier while staying highly permeable, so the building stays dry and lasts longer.

Preventing solar-driven moisture.

The advantage of having a vapor permeable wall assembly is that it allows the system to dry out when moisture gets into the wall assembly. A ventilated rainscreen prevents moisture intrusion from solar-driven moisture by separating (or decoupling) the absorptive cladding from the vapor permeable air barrier.

Designed with applicators in mind, DELTA®-VENT SA comes fully adhered for simple and straightforward application. With the self-adhesive edge-lap feature, ensuring an airtight overlap is easier and more secure than ever. The matte gray color also helps to reduce irritating glare during installation under the harsh Texas sun.

The 2-in-1 solution for long-term durability.

Winn Smith of Countywide Builders noted that using high-quality, durable materials was important to him because at the end of the day, he knows that he's responsible for the building's long-term integrity. To create a high-performance wall system that enhances building performance, DELTA®-DRY & LATH was selected to be used in front of DELTA®-VENT SA, across the entire headquarters exterior. Stucco is a great cladding, but applying it directly to any water-resistive barrier creates the risk of moisture retention, solar-driven moisture, and rot.

DELTA®-DRY & LATH is a 2-in-1 product that combines the proven technology of the DELTA®-DRY rainscreen with an innovative fiberglass lath for a complete, one-step moisture control and lath system. By combining these two critical components, an entire step is eliminated from the construction process, providing easier and safer handling for the installer. The alkali-resistant glass lath is not affected by chemicals and will not corrode.

Air-gap Technology helps a building last for years.

Simplifying many steps, the ventilated rainscreen will help to eliminate the building enclosure's risk of solar-driven moisture before it can do any damage. At the same time, this one-step moisture control and lath system allows any incidental moisture from within the wall to dry to the outside.

An air gap between the stucco and the substrates creates an air space between the cladding and the rest of the wall. This gap provides two important functions; one is to allow outward drying through a vapor-open water- and air-control layer, and the second is to prevent inward wetting as a result of moisture coming through a reservoir cladding.

Without breaking the bond between commonly used housewraps and cementitious stucco that can act as a surfactant, stucco cladding systems will continue to fail. But with the right kind of air gap, stucco will last hundreds of years.

Unlike traditional methods proven ineffective, the fire station's exterior cladding is efficiently uncoupled from the rest of the assembly, thereby giving it longevity and durability. Getting ahead of water and dampness is the only way to ensure new stucco and manufactured stone buildings live up to their full potential.



DELTA®-TRELA

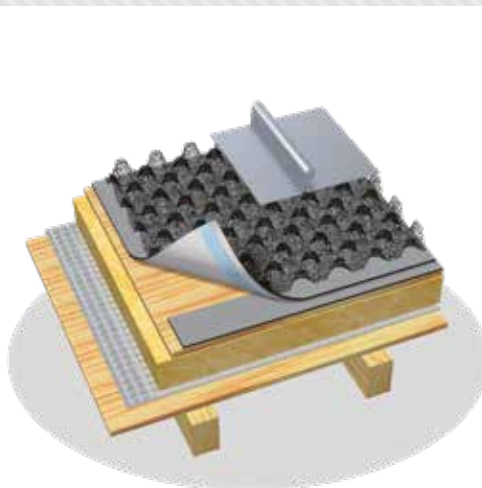
VAPOR PERMEABLE PROTECTION FOR METAL ROOFS AND CLADDING.

Metal roofs and cladding are not sealed to the roof deck or sheathing, allowing moisture to get in easily. If moisture accumulates, there can be premature damage to the roof substructure, and condensation on the underside of the metal can lead to corrosion – requiring the metal to be replaced sooner than expected.

DELTA®-TRELA is a vapor permeable underlayment with structured separation and drainage – specifically designed for metal roofs and façades with metal cladding. It helps prevent corrosion and moisture accumulation underneath panels and ensures the longevity of your metal roof.

KEY HIGHLIGHTS:

- 8mm studded fiber mat ventilates the underside of the metal panels
- Vapor permeable, watertight membrane allows moisture within the roof cavity to escape via diffusion
- Noise reduction from rain or hail by up to 15dB





DELTA® ACCESSORIES

FOR AIR- AND WATER-RESISTIVE BARRIERS.

Air- and water-resistive barriers are critically important to the moisture management of building enclosures. Our comprehensive line of DELTA® accessories ensures an installation that performs.

DELTA®-MULTI-BAND

Pure acrylic adhesive tape used at overlaps of DELTA® air & water- resistive barriers.

DELTA®-FLEXX-BAND

Stretchable butyl rubber tape used at penetrations.

DELTA®-FAS CORNER

Preformed to make corners in window and door openings air and watertight.

DELTA®-TILAXX

High-performance adhesive and sealant specifically designed for use with all DELTA® air-, vapor-, and water- resistive barriers.

DELTA®-FLASHING

Used to seal openings for windows and doors to complete the DELTA® air & WRB system.

DELTA®-FASSADE FLASHING

Self-adhering flashing with UV resistant coating for use with DELTA®-FASSADE S water-resistive barrier.

DELTA®-TW FLASHING

A premium, durable, self-adhering flashing designed for through-wall applications. It adheres tenaciously to seal the interface between common building substrates, including lintels and brick ledges, and to all DELTA® air- and water-resistive barrier membranes.

DELTA®-FASSADE TAPE

UV resistant seam tape for use with DELTA®-FASSADE S water-resistive barrier.



DELTA®-HF PRIMER

A solvent-free primer for most construction substrates.

DELTA®-ADHESIVE LVC

An emulsion, rubber-based adhesive. It is a surface preparation that increases bond strength of self-adhering membranes.

DELTA®-ADHESIVE

A high solvent emulsion, rubber-based adhesive. It is a surface preparation that increases bond strength of self-adhering membranes.

DELTA®-BUGSCREEN

Resist insects while allowing full drainage and ventilation.

FOUNDATION PRODUCTS

Keeping your foundation dry is important to building longevity. Moisture infiltration is the biggest problem in most basements. Proper foundation protection and drainage will keep the building's structure sound, and allow for a dry, mold-free environment.

Our DELTA® foundation products provide best-in-class performance in both commercial and residential construction. Our moisture-control products will keep your building dry and comfortable.



DELTA®-MS

KEEPS BASEMENTS DRY AND COMFORTABLE.

Today's basements are bright, open-concept living spaces; an extension of the home. When basements are built to simply meet building code requirements, they can often become damp and moldy due to unwanted moisture.

DELTA®-MS is a dimple sheet that reliably keeps moisture away from foundation walls. Our exclusive Air-gap Technology allows incidental moisture that creeps in to drain down to the perimeter drain. The result is a basement that stays dry, feels more comfortable, and lasts longer.

KEY HIGHLIGHTS:

- Dimple sheet provides capillary break
- Air-gap Technology allows incidental water to drain down freely
- Helps prevent interior dampness and musty odors
- Unlike asphaltic sprays, reliably bridges foundation cracks
- Keeps soil moisture away from foundation
- Installs easily in all types of weather
- Compliant with IRC and IBC (ICC-ESR-2303) and NBC (12788-R Drainage and 12658-R Dampproofing)

THE MOST DURABLE DIMPLE SHEET ON THE MARKET

MADE FROM HIGH-DENSITY POLYETHYLENE – 60% RECYCLED AND 40% VIRGIN.





CASE STUDY

K. HOVNANIAN® HOMES

Communities of excellence are built on solid foundations.

In new homes, shrinkage cracks in poured concrete inevitably occur as the foundation settles. With its history of award-winning standards of homebuilding quality, K. Hovnanian Homes determined that filling shrinkage cracks with epoxy, a standard industry solution, is an unacceptable fix. It's costly, ineffective, and would cause undue dissatisfaction to their valued customers.

DELTA®-MS wall waterproofing by Dörken Systems keeps basements dry and comfortable even when the concrete foundation wall cracks. It's impermeable to water, effectively keeping ground moisture away from foundation walls. And the exclusive design uses a vacuum-formed dimple pattern to create an air gap between the membrane and the foundation, allowing any incidental water getting past the dimpled membrane to flow freely to the perimeter footing drain.

Supported by an extensive certified-installer program offering industry-leading warranties and support, DELTA®-MS provides K. Hovnanian Homes with the confidence of knowing the top-quality materials are properly applied. Its customers also enjoy peace of mind knowing their homes are properly protected.

Protecting reputations and basements.

Keeping foundations dry is the key to avoiding costly repairs, and damage to your reputation as a builder. Most foundation problems are related to unwanted moisture. Basements that are built to simply meet code requirements can still end up damp and moist. For the basement to be a usable living space, the best moisture protection is necessary. For a product to exceed code requirements, it has to reliably control moisture by keeping water away from the foundation wall.

The air gap that DELTA®-MS creates between the membrane and the foundation allows water to drain and stops moisture from entering building spaces, while maximizing occupant comfort.

“ WE’RE PROUD TO HAVE DELTA®-MS KEEP THE FOUNDATIONS AND BASEMENTS OF K. HOVNANIAN HOMES DRY. WE HAVE BEEN INSTALLING THE DELTA®-MS PRODUCT SINCE JUNE OF 2010 WITH TREMENDOUS SUCCESS. ”

Rich Ackman, VP Purchasing, K. Hovnanian Homes

Stress crack resistance that's stress free.

Protecting foundations from water and moisture is essential in any home. DELTA®-MS with exclusive Air-gap Technology uses virgin high-density polyethylene (HDPE), a tough, non-toxic material, on the outside layers, making it the most durable dimple sheet on the market. The specific co-extrusion makeup paired with the offset dimples leads to higher stress-crack resistance. This ensures the original compressive strength of the membrane is maintained for the lifetime of the product, which keeps basements comfortable and moisture free.

"This is the type of material K. Hovnanian Homes looks for—lasting quality and value," Rich explains. "Our relationships with industry professionals allow us to purchase quality materials in quantity, and we've established an impeccable reputation as one of the nation's most respected homebuilders."

Zero call-backs mean happy customers.

"In my experience, if something doesn't bring value to the home— if it doesn't stop water from getting in—then you shouldn't spend money on it. While it may cost a little more up front for a dimple membrane (compared to other waterproofing materials), you save on labor, as it's quick and easy to install, and we see long-term benefits on the warranty side. We've had minimum service calls and minor leak-related call-backs, and of the calls we do get, they're more so moisture-related questions and happy customers who know their basement won't have any water issues." – Rich Ackman, VP Purchasing, K. Hovnanian Homes.

Air-gap Technology dimple membranes are the best way to protect home quality and ensure longevity by keeping water and moisture away from the foundation in the first place. The membrane reliably bridges foundation cracks and deflects soil moisture, meaning no water intrusion. This provides optimal comfort and healthy living spaces for homeowners, and fewer warranty claims or call-backs stemming from musty-smelling basements. From design to installation, DELTA®-MS makes it easy and cost effective to perfectly protect building foundations.





DELTA®-DRAIN

THE DIRECT ROUTE FOR RE-DIRECTED GROUND WATER.

Without a proper drainage system, water can damage virtually any construction project. DELTA®-DRAIN provides superior drainage in areas with excess ground water (e.g hillside construction) to help keep basements reliably dry.

DELTA®-DRAIN is a highly effective drainboard that controls the flow of below-grade water. Its high water-flow capacity ensures effective drainage.

KEY HIGHLIGHTS:

- Drains water away from foundation walls
- High drainage capability prevents build-up of hydrostatic pressure
- Special geotextile will not rot and prevents clogging of drainage passages
- Suitable for almost any application in residential and light commercial construction
- Compliant with NBC (CCMC 13209-R)



DELTA®-FOOTING BARRIER

THE CAPILLARY BREAK MEMBRANE FOR FOOTINGS.

Capillary rise through footings is a major problem if foundation perimeter walls are finished or insulated on interior. The footings are in constant contact with wet soil. This can transport moisture from the footings up into the bottom part of the wall. Vapor diffusion can continue to carry this moisture into interior wall cavities where it can cause mold and rot.

DELTA®-FOOTING BARRIER acts as a physical barrier and capillary break between the footing and the foundation wall, resisting the capillary wicking of water and upward migration of moisture from the footings into the foundation wall.

KEY HIGHLIGHTS:

- Resists capillary rise of moisture in foundations
- Installs easily between footing and basement wall
- Flexible membrane for convenient forming of keyway
- Ideal for fully insulated basements





DELTA® ACCESSORIES

FOR FOUNDATION PRODUCTS.

DELTA® accessories are designed to work with DELTA® foundation protection and drainage products to ensure trouble-free installations that keep basements dry over the long term.

DELTA®-FAST'ner

A multistud fastener for secure attachment of DELTA®-MS.

DELTA®-FLASH

An angled flashing used at top of flat tab.

DELTA®-MOLD STRIP

Molding used around window cut-outs and at grade level/changes.

DELTA®-SEALANT

An elastic sealing compound used at overlaps and penetrations.



125+ YEARS OF HELPING PEOPLE PROTECT THEIR BUILDINGS.

We've had over a century of experience protecting buildings from the most extreme weather conditions imaginable. This proven performance all over the world is, however, just part of the story. As a true solutions provider, our goal is to ensure you select the right product for your building project. We do this by ensuring you have the tools you need.

INDUSTRY-LEADING TECHNICAL RESOURCES

When you choose a DELTA® product, you also choose the support and resources you need to ensure your building is protected for years to come. That's why we offer a Certified Installer training program, the best technical manuals in the industry, comprehensive installation videos.



A HIGHER DEGREE OF PROTECTION

From CEU courses to industry expert videos, our DELTA® Academy draws on the latest academic research and years of global experience to offer a variety of accessible and convenient learning experiences that provide you with the know-how to build to a higher standard.

DELTA® INSIGHTS KEEPING YOU INFORMED

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At the core of our progressive integrated management system is our commitment to quality. We manufacture according to ISO 9001:2015 standards. It enables us to balance our demands of quality, safety, and environmental protection.

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