

SCIENCE. SERVICE. SOLUTIONS.



WATERPROOFING

Waterproofing Solutions Overview



WATERPROOFING

One Source. One Warranty.

For more than 45 years, Carlisle Coatings & Waterproofing solutions have led the way in providing watertight, reliable waterproofing solutions to suit a variety of building sites. We provide time-tested and innovative solutions that incorporate the latest waterproofing technologies. Our

complete waterproofing systems offer a single source warranty to streamline your next project from specification to delivery. With millions of square feet sold, you can't go wrong with a Carlisle Coatings & Waterproofing system.

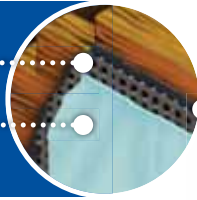
CCW Waterproofing Membrane Systems

Sheet	MiraDRI 860/861 MiraDRI 860-ULT	56-mils thickness self-adhered sheet consisting of cross-laminated HDPE facer laminated with rubberized asphalt adhesive. Offered in 36" X 67' rolls. 860/861 is suitable for installations where the ambient temperature is 40°F (4.4°C) or above. 860-ULT is suitable for installations where the ambient temperature is between 15°F (-9.4°C) and 60°F (15.6°C). Use with CCW Contact adhesives and termination mastic for a complete system. Ideal Applications: Foundation/ basement wall positive side waterproofing.
	MiraPLY with SeamLOCK™ Technology	Fully-adhered, sheet waterproofing membrane consisting of a tough TPO backing coated with butyl alloy adhesive. Offered in 4-ft width rolls, MiraPLY is applied with butyl adhesive side facing concrete. MiraPLY-H is 70 mils thick and can withstand foot traffic during construction, while MiraPLY-V is 70 mils thick with a highly-tacky butyl adhesive. Use MiraPLY detail and termination accessories for a complete system. Ideal Applications: blindside, under-slab and elevator pits.
	CCW-711 Pre-Pave	Self-adhered sheet consisting of woven polyester facer laminated with rubberized asphalt adhesive. Designed to accept asphalt paving overburden. Offered in 70 mil (711-70) and 90 mil (711-90) thicknesses. Ideal Applications Beneath asphalt paving on bridge and split-slab construction.
	MiraCLAY	Needle-punched geotextile fabric with entrapped 1 lb/ft² sodium bentonite clay. 5' X 14' sheets are loose-laid of mechanically-attached. Offered in a variety of formulas for specific ground water conditions. Ideal Applications: blindside, underslab and elevator pits.
	SURE-SEAL Standard & FR EPDM	Carlisle's EPDM sheet rubber for waterproofing. Offered in 45, 60 or 90-mil non-reinforced thicknesses. Available in widths up to 10' (3 m) and lengths up to 100' (30 m). Use with SURE-SEAL adhesive, splicing, flashing and termination accessories for a complete system. Ideal Applications: Retention or ornamental pond lining, tunnels, bridges, underground shelters.
Liquid	MiraSEAL	100%-solids, fluid-applied, one-part, moisture-reacted, elastomeric, coal-tar and solvent-free. Cures to form a flexible, monolithic, waterproof membrane on vertical and horizontal surfaces. Typical applications are between structural slab and wearing course on parking garages, plaza decks, balconies, roof decks, terraces, mechanical equipment rooms, wet rooms, malls, kitchens and shower stalls. MiraSEAL is ideally suited for waterproofing on below-grade foundation walls, tunnels, planters and other areas where a seamless, elastomeric waterproofing is required.
	Barricoat	A water-borne asphalt emulsion modified with a blend of synthetic polymers and additives. Can be applied through co-spray, one-part spray or roller application. Barricoat is a waterproofing and vapor barrier membrane for use in below-grade foundation wall assemblies. Ideal for use on vertical surfaces and can be applied directly to concrete, concrete masonry, and many other common building materials.
	CCW 500-R	215 mil reinforced hot rubber membrane. Use for waterproofing plaza decks and green roofs. Use with CCW Protection Board, MiraDRAIN and other CCW flashings/sealants for complete warranted system.
Combined	CCW Vapor-Lock	215 mil multi-layer membrane consisting of CCW-500 hot rubber and CCW-711-90 self-adhered sheet membrane. Compared to CCW 500-R, CCW Vapor-Lock is better suited over plywood and light-weight structural concrete decks.
	CCW 860P	120 mil bi-layer system consisting of 60 mils of CCW-703V Liquiseal applied to substrate and MiraDRI 860/861 applied over CCW-703V LiquiSEAL. Product is a 100% solids, 2-part polyurathene. Ideal Applications: Decks and balconies with paver, tile or concrete overburden and planters.
Coverings	MiraDRAIN	Prefabricated drainage panels made up of a nonwoven filter fabric bonded to individual molded polyethylene dimples. "Dimple Board" configuration offers positive drainage in multiple directions. MiraDRAIN is offered with various core drainage capacities, compressive strengths and fabrics for diverse horizontal and vertical drainage applications. Use with CCW waterproofing membranes for complete system.
	CCW Protection	CCW offers various protection fabrics and protection boards as critical components of warranted waterproofing systems.
	CCW Green Roof	Green roof components consist of root barrier, drainage board, moisture retention mat, engineered growth media and plantings. Use with CCW 500-R or CCW Vapor-Lock for a complete, warranted green roof system from CCW.

Lagging Walls

CCW MiraDRAIN®

MiraPLY with SeamLOCK
Technology, MiraCLAY



MiraPLY-H is a 70-mil-thick, self-adhering blindside waterproofing system for waterproofing under slab applications. Comprised of a tough, durable, 45-mil-thick reinforced TPO backing fused to a 25-mil-thick butyl alloy adhesive coating, MiraPLY-H combines two proven waterproofing technologies to create a dual laminate membrane that provides a secure bond with the substrate without the need for soil compression.

Plaza Deck

Extruded Insulation

Pavers

CCW MiraDRAIN

CCW-500R, MiraSEAL™



Plaza Deck Systems offer an exposed functional working surface while also providing waterproofing protection. The CCW Plaza Deck System includes the CCW-500R hot-applied membrane, CCW MiraDRAIN drainage composite, Foamular insulation and your choice of pavers. Our system comes with a complete warranty covering everything from waterproofing to the pavers.





Concrete Roof Decks

- Extruded Insulation
- CCW-500R
- CCW Protection Board

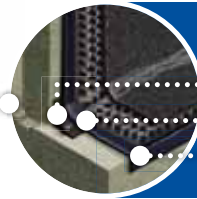
CCW-500R adheres tenaciously to virtually any sound vertical or horizontal surface, to ensure water will not migrate beneath the membrane in the event of physical damage. The fast setup time speeds the completion of the waterproofing. CCW-500 Hot-Applied Liquid Membrane is applied in a thick, monolithic coating utilizing CCW Reinforcing Fabric, which allows for a wide variety of substrate conditions. CCW-500 is used for waterproofing split-slab construction projects and is especially suited as the waterproofing membrane on roof decks using the inverted roof membrane assemblies and green roof systems.



Roof Plaza Deck

- CCW MiraDRI® 860/861
- CCW MiraDRAIN®
- CCW LM-800XL/CCW-201

CCW MiraSEAL™ is the ideal solution when hot-applied systems are not recommended. Its moisture-reactive and non-gassing properties provide tenacious adhesion to concrete substrates above- and below-grade, preventing lateral water migration, even with moist concrete.



Foundation Walls

- CCW-201
- CCW MiraDRI 860/861
- CCW MiraDRAIN

CCW offers a wide variety of waterproofing products used for foundation walls, such as Miraseal, CCW MiraDRI 860/861, CCW MiraCLAY and Barricoat. The protection provided by these waterproofing products, used in conjunction with CCW MiraDRAIN, provide a complete waterproofing system second to none.

Below Grade. Above Grade. Blindsight.

Carlisle Coatings & Waterproofing offers products that work together to completely seal the building envelope from the foundation to the roof. Each component ties into the next to provide continuous coverage preventing the intrusion of air and moisture. Continuous coverage is key in saving on high energy costs and the damaging effects of mold. CCW's waterproofing systems are easy to apply and provide low life cycle cost.

Sheets

CCW offers a wide variety of waterproofing products used for foundation walls such as CCW MiraDRI 860/861 and MiraDRI 860-ULT, as well as CCW MiraCLAY. The protection provided by these waterproofing products, used in conjunction with CCW MiraDRAIN provide a complete system second to none.

CCW's MiraPLY is a patented, self-adhering, dual membrane waterproofing system which fuses the time-tested qualities of TPO and self-sealing properties of butyl alloy adhesive. Enhanced with SeamLOCK Technology, MiraPLY-H and MiraPLY-V boast the best puncture resistance and seam adhesion in the industry.

Liquid

CCW offers a variety of liquid-applied waterproofing membranes to meet the needs on any jobsite project. These products are ideal for horizontal and vertical applications due to the viscosity found in each. Whether the application calls for roller or spray-applied, MiraSeal, Barricoat, CCW-703 LiquiSEAL, and CCW 500-R provide plenty of options.

Combined

The combined systems offered by CCW consist of CCW Vapor Lock and CCW 860P. Integrating the CCW-711W sheet membrane as a preformed first course on difficult-to-waterproof substrate with the CCW-500 second course that forms a tough, flexible, monolithic membrane, the CCW Vapor Lock system creates a watertight seal. For horizontal application, CCW 860P combines CCW-703V Liquiseal and CCW MiraDRI 860/861 for an enhanced waterproofing system.



Limited Warranty

Carlisle Coatings & Waterproofing, Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties including the implied warranties of merchantability and fitness for a particular purpose.

Carlisle specifically disclaims liability for any incidental, consequential or other damages including, but not limited to, loss of profits or damages to a structure or its contents arising under any theory of law whatsoever.

The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.

Carlisle Coatings & Waterproofing

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