

ProGUARD DP®  
The Game-changing  
Wall System

**ProGUARD DP®**  
Insulated Concrete Board



*Arriscraft ARRIS-stack over ProGUARD DP® Insulated Cement Board Panels, using Laticrete MVIS materials.*

**ProGUARD DP® INSULATED CONCRETE BOARD**, manufactured by T. Clear Corp., is a unique next generation building product designed for both commercial and residential applications. It is a lightweight, durable, ready to finish insulated concrete board that attaches to structural studs or concrete walls. By putting the insulation on the outside of the assembly, heat transfer through the studs or concrete (structural/substrate materials) is greatly reduced and the thermal efficiency of the wall system significantly increased.

In addition, the concrete skin provides a durable, ready to finish surface that is installed along with the insulation. The panels are also furnished with drainage planes to allow moisture to migrate down the wall assembly to flashing lines. Significant labor savings are achieved when the insulation, concrete board and drainage planes are installed in a single unified product.

T. Clear Corp. is a member of the United States Green Building Council. ProGUARD DP® may help your building qualify for LEED points. In addition, no external heat sources are used to cure the concrete skin. All curing is natural from the heat of hydration generated by the natural curing of the Portland cement.





ProGUARD *DP*<sup>®</sup> consists of a nominal 1/4” thick Util-A-Crete<sup>®</sup> concrete backerboard that is reinforced with two layers of fiberglass mesh. The Util-A-Crete<sup>®</sup> fiberglass reinforced concrete surface of ProGUARD *DP*<sup>®</sup> has a compressive strength of 2600 psi providing a hard durable surface that is resistant to impact. This concrete panel is laminated to extruded polystyrene, expanded polystyrene or mineral wool insulation in standard thicknesses.

The tough concrete surface is weather resistant and serves as a durable base for thin adhered masonry, trowel or spray applied acrylic exterior finishes, siding or other finish materials.

## ProGUARD *DP*<sup>®</sup> Insulated Concrete Board Product Specs

INSULATION (EPS)	Expanded Polystyrene
Nominal Density	2.0 lbs. per cu. ft.
Compressive Strength	25 lbs. psi
R-Value per in. (75° mean temp)	4.35
Water Absorption	2.0% by volume max
Water Vapor Permeance	<.6 perms
Flame Spread	<25
Smoke Developed	<450
FACING	Util-A-Crete <sup>®</sup> Concrete Backer Board
Thickness	1/4”
Compressive Strength	2600 lbs. per sq.in.
Flame Spread	5
Smoke Developed	0

INSULATION (XPS)	Extruded Polystyrene
Nominal Density	1.55 lbs. per cu. ft.
Compressive Strength	25 lbs. psi
R-Value per in. (75° mean temp)	5
Water Absorption	0.3% by volume max
Water Vapor Permeance	<.6 perms
Flame Spread	<5
Smoke Developed	165
FACING	Util-A-Crete <sup>®</sup> Concrete Backer Board
Thickness	1/4”
Compressive Strength	2600 lbs. per sq.in.
Flame Spread	5
Smoke Developed	0



## INSULATION:

Because the insulation is placed on the outside of the wall assembly, heat transfer through the studs or block is greatly reduced. ASHRAE states that this heat transfer can be as high as 25% on conventional steel stud construction (it will be slightly less on wood stud construction). In addition, by insulating completely on the outside of the stud, it is unlikely that the dew point will be reached within the wall cavity thus preventing condensation and greatly reducing the likelihood of mold and mildew formation within the wall structure.

## MOLD, MILDEW AND MOISTURE RESISTANT:

Water absorption of ProGUARD DP® is less than 2% by volume for EPS and .03% by volume for XPS when tested in accordance with ASTM C272. The water vapor permeability for both EPS and XPS is less than 0.6 when laminated to the UtilA-Crete® skin. ProGUARD DP® is highly resistant to mold and mildew in accordance with ASTM D3273.

## CODE APPROVAL:

ProGUARD DP® meets the requirements of the following Building Codes:

- International Building Code (IBC)
  - International Residential Code (IRC)
- Code Listing by NTA, Inc. Listing Report# TCC022305-25
- ASHRAE-90.1
  - IECC
  - National Building Code of Canada (NBC)
  - Ontario Building Code (SB-10)

## JOINT SEALING:

All panel joints shall be sealed with alkali resistant mesh tape and a polymer fortified bonding mortar meeting ANSI 118.4 requirements or other approved mortars for stucco or EIFS applications. The panel joints shall be sealed prior to the application of any type of exterior finish.

## NFPA-285

Fire can be beautiful when it's controlled in a fireplace or firepit, and regenerative when used correctly in a controlled burn in the natural environment, but it can be destructive and dangerous in the built environment putting not only buildings, but their occupants in danger.

For millennia it's been a well-known fact that masonry does not burn, and in the more recent century, testing supports that statement. Cities that have had the "great fire" like Chicago, Toronto, and New York when they rebuilt afterwards, they used masonry to prevent future "great" fires. Those cities, to this day, have a great tradition of using masonry.

With the change in the building codes however, and the introduction of the energy codes there has been a push to put more and more insulation outboard of the structural substrate, to ensure dew points fall in the correct place and we reduce thermal bridging in the wall assemblies, so we obtain better thermally performing wall assemblies. This has resulted in thicker walls when masonry was being used and we have seen an increase in thin stone systems to help reduce the wall system thickness, all while maintaining the masonry aesthetic.

As adoption of the energy codes has occurred, there has been an increase in the use of foam plastic insulations in the wall cavity to achieve the thermal performance requirements of the energy codes. This has led to other concerns such as how those combustible elements such as foam plastics, waterproofing membranes, and certain claddings might contribute to the growth of a fire once it had started. As these wall systems have evolved the need for oversight for fire protection became necessary and the **NFPA-285 Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Non-Load Bearing Wall Assemblies** became a requirement. This standardized test for projects built of non-combustible construction is used to test if combustible materials in a wall assembly would propagate a fire if they started to burn.

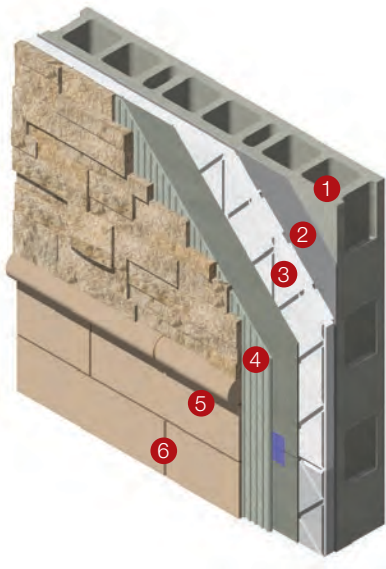
We've always known our masonry materials (and most other masonry materials) wouldn't propagate a fire, however as masonry has become thinner and thin adhered masonry veneer systems have evolved and are being installed over continuous insulation systems like ProGUARD<sup>DP</sup>® and different waterproofing materials we needed to be sure how they would perform. With that in mind we undertook the NFPA-285 test with thin adhered masonry veneer installed over the ProGUARD<sup>DP</sup>® Insulated Concrete Board Panels to be absolutely sure and we passed the NFPA-285 test with flying colors. For further information please request our NFPA-285 report from Arriscraft's Technical Services Department.



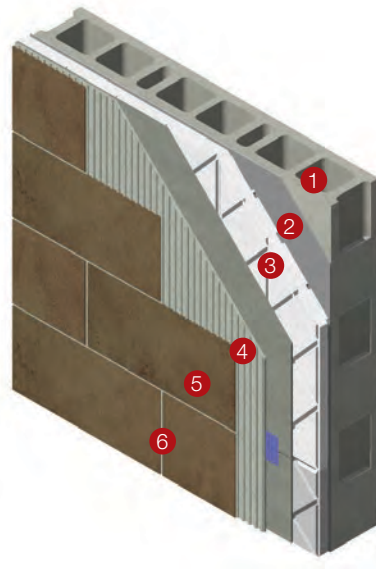


# ProGUARD DP<sup>®</sup>

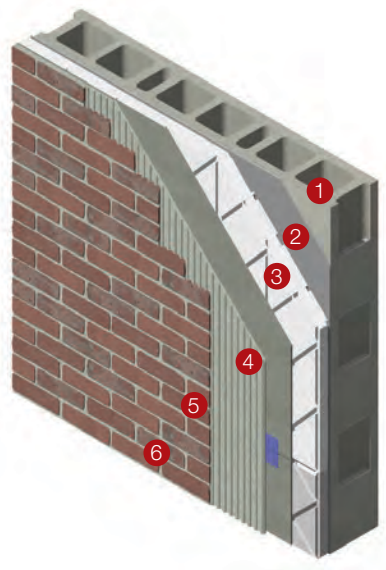
## Insulated Concrete Board



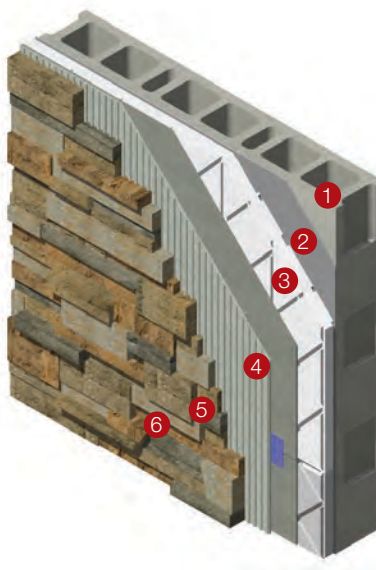
1. Poured concrete or concrete block
2. System A/W Barrier
3. Insulated Concrete Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Concrete Board)
4. Tested and approved ANSI 118.4 Polymer Modified Bonding Mortar
5. CSMU Tile Unit or Stack Stone
6. Pointing Mortar



1. Poured concrete or concrete block
2. System A/W Barrier
3. Insulated Concrete Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Concrete Board)
4. Tested and approved ANSI 118.4 Polymer Modified Bonding Mortar
5. Thin Porcelain/Ceramic Tile
6. Pointing Mortar



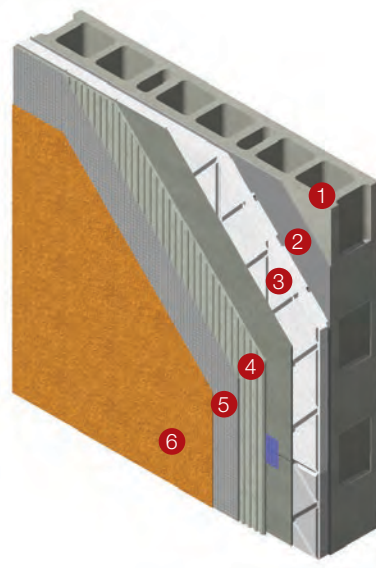
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3. Insulated Concrete Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Concrete Board)
4. Tested and approved ANSI 118.4 Polymer Modified Bonding Mortar
5. Thin-Brick
6. Pointing Mortar



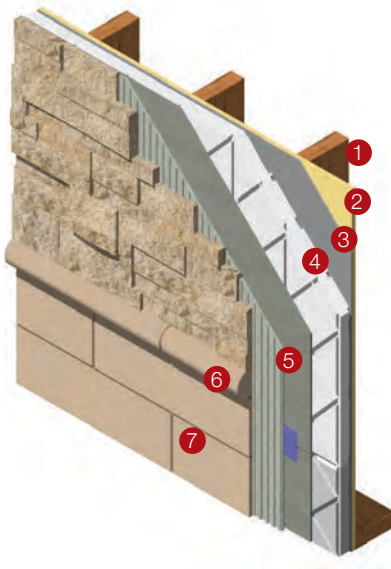
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2. System A/W Barrier
3. Insulated Concrete Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Concrete Board)
4. Tested and approved ANSI 118.4 Polymer Modified Bonding Mortar
5. Thin Manufactured Stone
6. Pointing Mortar



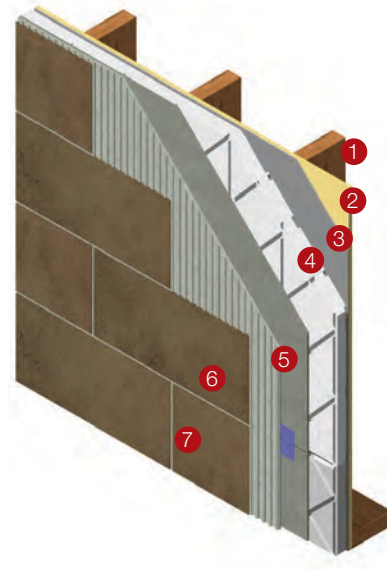
1. Poured concrete or concrete block
2. System A/W Barrier
3. Insulated Cement Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Cement Board)
4. Tested and approved ANSI 118.4 Polymer Modified Bonding Mortar
5. Thin Natural Stone
6. Pointing Mortar



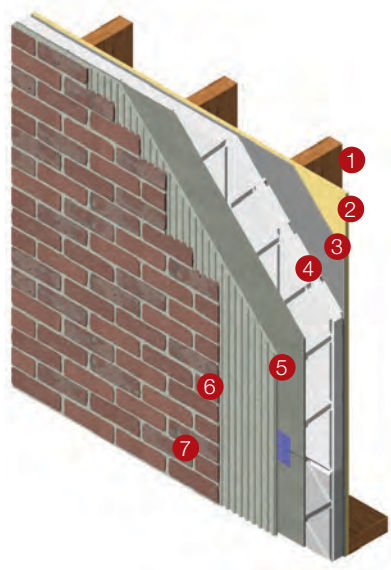
1. Poured concrete or concrete block
2. System A/W Barrier
3. Insulated Concrete Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Concrete Board)
4. Synthetic Stucco Base Coat
5. Mesh embedded in Base Coat
6. Synthetic Stucco Finish Coat



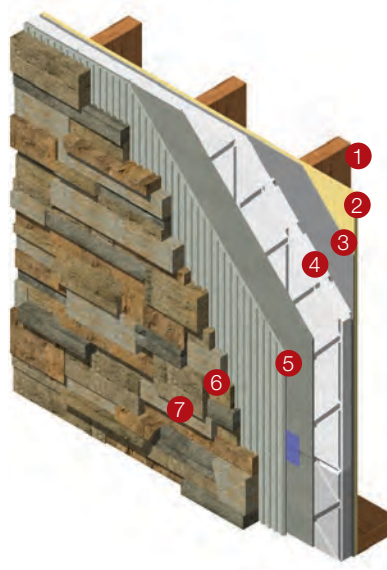
1. Steel Stud or Wood Stud
2. Exterior Grade Sheathing
3. System A/W Barrier
4. Insulated Concrete Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Concrete Board)
5. Tested and approved ANSI 118.4 Polymer Modified Bonding Mortar
6. CSMU Tile Unit or Stack Stone
7. Pointing Mortar



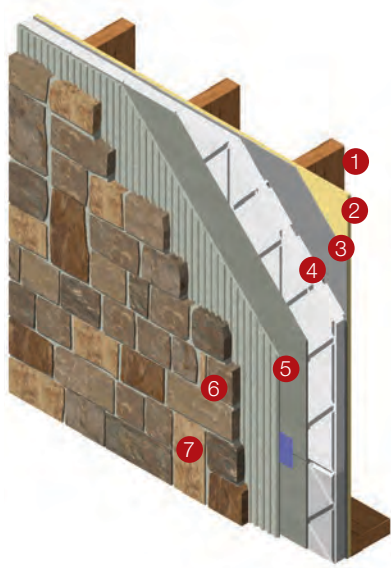
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4. Insulated Concrete Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Concrete Board)
5. Tested and approved ANSI 118.4 Polymer Modified Bonding Mortar
6. Thin Porcelain/Ceramic Tile
7. Pointing Mortar



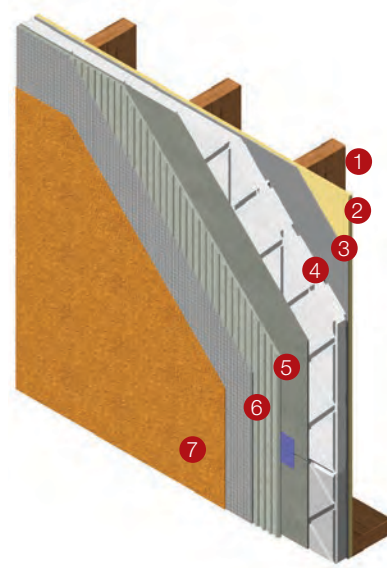
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3. System A/W Barrier
4. Insulated Concrete Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Concrete Board)
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6. Thin-Brick
7. Pointing Mortar



1. Steel Stud or Wood Stud
2. Exterior Grade Sheathing
3. System A/W Barrier
4. Insulated Concrete Board Panel with taped and mudded joints (Containing the Double Drainage Planes, Insulation, and Concrete Board)
5. Tested and approved ANSI 118.4 Polymer Modified Bonding Mortar
6. Thin Manufactured Stone
7. Pointing Mortar



1. Steel Stud or Wood Stud
2. Exterior Grade Sheathing
3. System A/W Barrier
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5. Tested and approved ANSI 118.4 Polymer Modified Bonding Mortar
6. Thin Natural Stone
7. Pointing Mortar



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5. Synthetic Stucco Base Coat
6. Mesh embedded in Base Coat
7. Synthetic Stucco Finish Coat



# ProGUARD DP<sup>®</sup>

Insulated Concrete Board



South Adams County Fire Department Headquarters | Anderson Hales Architects | ARRIS-tile Limestone, ProGUARD DP<sup>®</sup>



Arkansas Children's Northwest



Young Living | Scholz Architects | ARRIS





st | Polk Stanley Wilcox Architects |  
Stack Beach, ProGUARD DP®



S-tile and ARRIS-clip Oakridge and  
Montecito, ProGUARD DP®



The Oaklander Hotel | ARRIS-tile and ARRIS-clip Oakridge and Montecito  
ProGUARD DP®

## ProGUARD DP® Insulated Concrete Board Panel Specifications

ProGUARD DP® INSULATED CONCRETE BOARD BASE WEEP PANEL  
(EPS FOAM INSULATION WITH SINGLE DRAINAGE PLANE)

ProGUARD DP® Size and thickness	Insulation Thickness	Weight per Piece (lbs.)	R-value (most typical) per ASTM C-578	R-value per ASTM C-578	R-value per ASTM C-578
			(4.35/in) @75°F	(4.76/in) @40°F	(5.00/in) @25°F
1-1/4" x 1'-0" x 8'-0" EPS DP-1 BWP	1"	17	2.72	2.98	3.13
1-1/2" x 1'-0" x 8'-0" EPS DP-1 BWP	1-1/4"	18	3.80	4.17	4.38
1-3/4" x 1'-0" x 8'-0" EPS DP-1 BWP	1-1/2"	18	4.89	5.36	5.63
2" x 1'-0" x 8'-0" EPS DP-1 BWP	1-3/4"	18	5.98	6.55	6.88
2-1/4" x 1'-0" x 8'-0" EPS DP-1 BWP	2"	19	7.07	7.74	8.13
2-1/2" x 1'-0" x 8'-0" EPS DP-1 BWP	2-1/4"	19	8.15	8.93	9.38
2-3/4" x 1'-0" x 8'-0" EPS DP-1 BWP	2-1/2"	19	9.24	10.12	10.63
3" x 1'-0" x 8'-0" EPS DP-1 BWP	2-3/4"	20	10.33	11.31	11.88
3-1/4" x 1'-0" x 8'-0" EPS DP-1 BWP	3"	20	11.41	12.50	13.13
3-1/2" x 1'-0" x 8'-0" EPS DP-1 BWP	3-1/4"	20	12.50	13.69	14.38
3-3/4" x 1'-0" x 8'-0" EPS DP-1 BWP	3-1/2"	21	13.59	14.88	15.63
4-1/4" x 1'-0" x 8'-0" EPS DP-1 BWP	4"	21	15.76	17.26	18.13
5-1/4" x 1'-0" x 8'-0" EPS DP-1 BWP	5"	23	20.11	22.02	23.13
6-1/4" x 1'-0" x 8'-0" EPS DP-1 BWP	6"	24	24.46	26.79	28.13

*R-Values for the panels are net of single drainage grooves (foam thickness less 3/8")*

ProGUARD DP® INSULATED CONCRETE BOARD BASE WEEP PANEL  
(XPS FOAM INSULATION WITH SINGLE DRAINAGE PLANE)

ProGUARD DP® Size and thickness	Insulation Thickness	Weight per Piece (lbs.)	R-value (5.00/in) @75°F
1-3/4" x 1'-0" x 8'-0" XPS DP-1 BWP	1-1/2"	18	5.63
2-1/4" x 1'-0" x 8'-0" XPS DP-1 BWP	2"	19	8.13
3-1/4" x 1'-0" x 8'-0" XPS DP-1 BWP	3"	20	13.13
4-1/4" x 1'-0" x 8'-0" XPS DP-1 BWP	4"	21	18.13

*R-Values for the panels are net of single drainage grooves (foam thickness less 3/8")*



Foam Insulation with Single Drainage Plane



ProGUARD DP® INSULATED CONCRETE BOARD PANEL  
(EPS FOAM INSULATION WITH SINGLE DRAINAGE PLANE)

ProGUARD DP® Size and thickness	Insulation Thickness	Weight per Piece (lbs.)	R-value (most typical) per ASTM C-578	R-value per ASTM C-578	R-value per ASTM C-578
			(4.35/in) @75°F	(4.76/in) @40°F	(5.00/in) @25°F
1-1/4" x 3'-0" x 8'-0"EPS DP-1	1"	52	2.72	2.98	3.13
1-1/2" x 3'-0" x 8'-0"EPS DP-1	1-1/4"	53	3.80	4.17	4.38
1-3/4" x 3'-0" x 8'-0"EPS DP-1	1-1/2"	54	4.89	5.36	5.63
2" x 3'-0" x 8'-0"EPS DP-1	1-3/4"	54	5.98	6.55	6.88
2-1/4" x 3'-0" x 8'-0"EPS DP-1	2"	56	7.07	7.74	8.13
2-1/2" x 3'-0" x 8'-0"EPS DP-1	2-1/4"	57	8.15	8.93	9.38
2-3/4" x 3'-0" x 8'-0"EPS DP-1	2-1/2"	58	9.24	10.12	10.63
3" x 3'-0" x 8'-0"EPS DP-1	2-3/4"	59	10.33	11.31	11.88
3-1/4" x 3'-0" x 8'-0"EPS DP-1	3"	60	11.41	12.50	13.13
3-1/2" x 3'-0" x 8'-0"EPS DP-1	3-1/4"	61	12.50	13.69	14.38
3-3/4" x 3'-0" x 8'-0"EPS DP-1	3-1/2"	62	13.59	14.88	15.63
4-1/4" x 3'-0" x 8'-0"EPS DP-1	4"	64	15.76	17.26	18.13
5-1/4" x 3'-0" x 8'-0"EPS DP-1	5"	70	20.11	22.02	23.13
6-1/4" x 3'-0" x 8'-0"EPS DP-1	6"	72	24.46	26.79	28.13

*R-Values for the panels are net of single drainage grooves (foam thickness less 3/8")*

ProGUARD DP® INSULATED CONCRETE BOARD PANEL  
(XPS FOAM INSULATION WITH SINGLE DRAINAGE PLANE)

ProGUARD DP® Size and thickness	Insulation Thickness	Weight per Piece (lbs.)	R-value
			(5.00/in) @75°F
1-3/4" x 3'-0" x 8'-0" XPS DP-1	1-1/2"	54	5.63
2-1/4" x 3'-0" x 8'-0" XPS DP-1	2"	56	8.13
3-1/4" x 3'-0" x 8'-0" XPS DP-1	3"	60	13.13
4-1/4" x 3'-0" x 8'-0" XPS DP-1	4"	64	18.13

*R-Values for the panels are net of single drainage grooves (foam thickness less 3/8")*

ProGUARD DP® INSULATED CONCRETE BOARD BASE WEEP PANEL  
(EPS FOAM INSULATION WITH DOUBLE DRAINAGE PLANE)

ProGUARD DP® SIZE AND THICKNESS	INSULATION THICKNESS	WEIGHT PER PIECE (LBS.)	R-VALUE (MOST TYPICAL) PER ASTM C-578	R-value per ASTM C-578	R-value per ASTM C-578
			(4.35/in) @75°F	(4.76/in) @40°F	(5.00/IN) @25°F
1-3/4" x 1'-0" x 8'-0" EPS DP-2 BWP	1-1/2"	18	3.26	3.57	3.75
2" x 1'-0" x 8'-0" EPS DP-2 BWP	1-3/4"	18	4.35	4.76	5.00
2-1/4" x 1'-0" x 8'-0" EPS DP-2 BWP	2"	19	5.43	5.95	6.25
2-1/2" x 1'-0" x 8'-0" EPS DP-2 BWP	2-1/4"	19	6.52	7.14	7.50
2-3/4" x 1'-0" x 8'-0" EPS DP-2 BWP	2-1/2"	19	7.61	8.33	8.75
3" x 1'-0" x 8'-0" EPS DP-2 BWP	2-3/4"	20	8.70	9.52	10.00
3-1/4" x 1'-0" x 8'-0" EPS DP-2 BWP	3"	20	9.78	10.71	11.25
3-1/2" x 1'-0" x 8'-0" EPS DP-2 BWP	3-1/4"	20	10.87	11.90	12.50
3-3/4" x 1'-0" x 8'-0" EPS DP-2 BWP	3-1/2"	21	11.96	13.10	13.75
4-1/4" x 1'-0" x 8'-0" EPS DP-2 BWP	4"	21	14.13	15.48	16.25
5-1/4" x 1'-0" x 8'-0" EPS DP-2 BWP	5"	23	18.48	20.24	21.25
6-1/4" x 1'-0" x 8'-0" EPS DP-2 BWP	6"	24	22.83	25.00	26.25

R-Values for the panels are net of double drainage grooves (foam thickness less 3/4")

ProGUARD DP® INSULATED CONCRETE BOARD BASE WEEP PANEL  
(XPS FOAM INSULATION WITH DOUBLE DRAINAGE PLANE)

ProGUARD DP® SIZE AND THICKNESS	INSULATION THICKNESS	WEIGHT PER PIECE (LBS.)	R-VALUE
			(5.00/IN) @75°F
1-3/4" x 1'-0" x 8'-0" XPS DP-2 BWP	1-1/2"	18	3.75
2-1/4" x 1'-0" x 8'-0" XPS DP-2 BWP	2"	19	6.25
3-1/4" x 1'-0" x 8'-0" XPS DP-2 BWP	3"	20	11.25
4-1/4" x 1'-0" x 8'-0" XPS DP-2 BWP	4"	21	16.25

R-Values for the panels are net of double drainage grooves (foam thickness less 3/4")



Foam Insulation with Double Drainage Plane



ProGUARD DP® INSULATED CONCRETE BOARD PANEL  
(EPS FOAM INSULATION WITH DOUBLE DRAINAGE PLANE)

ProGUARD DP® SIZE AND THICKNESS	INSULATION THICKNESS	WEIGHT PER PIECE (LBS.)	R-VALUE (MOST TYPICAL) PER ASTM C-578	R-VALUE PER ASTM C-578	R-VALUE PER ASTM C-578
			(4.35/IN) @75°F	(4.76/IN) @40°F	(5.00/IN) @25°F
1-3/4" x 3'-0" x 8'-0" EPS DP-2	1-1/2"	54	3.26	3.57	3.75
2" x 3'-0" x 8'-0" EPS DP-2	1-3/4"	54	4.35	4.76	5.00
2-1/4" x 3'-0" x 8'-0" EPS DP-2	2"	56	5.43	5.95	6.25
2-1/2" x 3'-0" x 8'-0" EPS DP-2	2-1/4"	57	6.52	7.14	7.50
2-3/4" x 3'-0" x 8'-0" EPS DP-2	2-1/2"	58	7.61	8.33	8.75
3" x 3'-0" x 8'-0" EPS DP-2	2-3/4"	59	8.70	9.52	10.00
3-1/4" x 3'-0" x 8'-0" EPS DP-2	3"	60	9.78	10.71	11.25
3-1/2" x 3'-0" x 8'-0" EPS DP-2	3-1/4"	61	10.87	11.90	12.50
3-3/4" x 3'-0" x 8'-0" EPS DP-2	3-1/2"	62	11.96	13.10	13.75
4-1/4" x 3'-0" x 8'-0" EPS DP-2	4"	64	14.13	15.48	16.25
5-1/4" x 3'-0" x 8'-0" EPS DP-2	5"	70	18.48	20.24	21.25
6-1/4" x 3'-0" x 8'-0" EPS DP-2	6"	72	22.83	25.00	26.25

*R-Values for the panels are net of double drainage grooves (foam thickness less 3/4")*

ProGUARD DP® INSULATED CONCRETE BOARD PANEL  
(XPS FOAM INSULATION WITH DOUBLE DRAINAGE PLANE)

ProGUARD DP® SIZE AND THICKNESS	INSULATION THICKNESS	WEIGHT PER PIECE (LBS.)	R-VALUE
			(5.00/IN) @75°F
1-3/4" x 3'-0" x 8'-0" XPS DP-2	1-1/2"	54	3.75
2-1/4" x 3'-0" x 8'-0" XPS DP-2	2"	56	6.25
3-1/4" x 3'-0" x 8'-0" XPS DP-2	3"	60	11.25
4-1/4" x 3'-0" x 8'-0" XPS DP-2	4"	64	16.25

*R-Values for the panels are net of double drainage grooves (foam thickness less 3/4")*

ProGUARD DP® INSULATED CONCRETE BOARD PANEL (MINERAL WOOL INSULATION WITH NO DRAINAGE PLANES - DRAINAGE PLANES ARE NOT REQUIRED AS MINERAL WOOL IS FREE DRAINING)

ProGUARD DP® SIZE AND THICKNESS	INSULATION THICKNESS	WEIGHT PER PIECE (LBS.)	R-VALUE	MINIMUM ORDER QUANTITY	
			(4.3/IN) @75°F	MINIMUM SQ. FT.	NO. OF PANELS @ MIN. SQ. FT.
1-1/4" x 3'-0" x 4'-0" DP-0	1"	26	4.30	11,200	933
1-3/4" x 3'-0" x 4'-0" DP-0	1-1/2"	27	6.45	7,467	622
2-1/4" x 3'-0" x 4'-0" DP-0	2"	28	8.60	5,600	467
2-3/4" x 3'-0" x 4'-0" DP-0	2-1/2"	29	10.75	4,480	373
3-1/4" x 3'-0" x 4'-0" DP-0	3"	30	12.90	3,733	311
3-3/4" x 3'-0" x 4'-0" DP-0	3-1/2"	31	15.05	3,200	267
4-1/4" x 3'-0" x 4'-0" DP-0	4"	32	17.20	2,800	233
5-1/4" x 3'-0" x 4'-0" DP-0	5"	35	21.50	2,240	187
6-1/4" x 3'-0" x 4'-0" DP-0	6"	36	25.80	1,867	156

## ProGUARD DP® Accessories

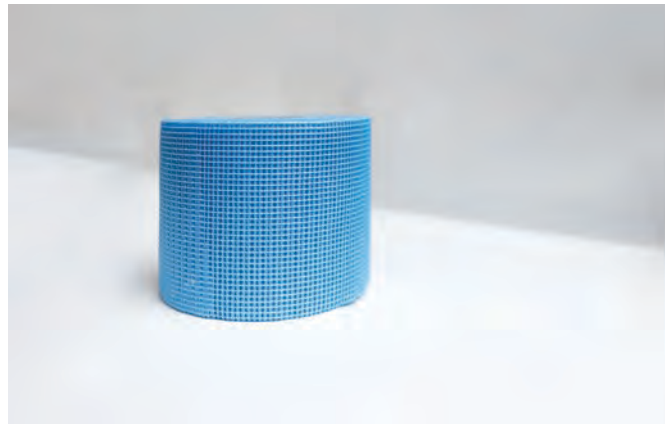
### UTIL-A-CRETE CONCRETE BACKERBOARD STRIPS

Util-A-Crete Concrete Board Backerboard Strips – Are used to finish ProGUARD DP® Insulated Concrete Board Panel edges with a concrete board surface. The concrete board strips are adhered with the PRO100 Sikaflex 11FC Polyurethane Sealant (see next page) to the foam insulation board edges as required at window and door jambs, building corners etc.. The Util-A-Crete Strips are provided in 3'-0" long strips that are either 1/4" or 1/2" in thickness and the same thicknesses as the ProGUARD DP® panels being finished, including 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/4", 3-1/2", 3-3/4", 4-1/4", 5-1/4", and 6-1/4" widths.



**Water Armor Flashing Tape** - Used in Combination with Water Amor AWB, TG or VB to aid in waterproofing seams between primary sheathing panels, base of wall, into openings etc.

Available in (4", 6" or 9" wide x 180'-0" long)



**Alkali Resistant Mesh Tape** (Self Stick Tape 4" x 150'-0") - Used in Combination with bonding mortar and ProGUARD DP® panels to seal the seams in the ProGUARD DP® panels. Blue in color so it's easy to tell the correct product is being used.





**ProGUARD DP® SELF-DRILLING SILVER C#14 DP1 (WOOD/STEEL STUD OR CMU, MASONRY OR POURED CONCRETE) SCREWS WITH PANCAKE HEAD DRILL & TAP UP TO 16 GA. STEEL - TRISEAL COATED.**

Available lengths: 1-1/2", 2", 3", 4", 4-1/2", 5", 6", 7", 8", 9"

**ProGUARD DP® SELF-DRILLING SILVER C#14 DP3 (WOOD OR STEEL STUD OR CMU, MASONRY OR POURED CONCRETE) SCREWS WITH PANCAKE HEAD DRILL & TAP UP TO 1/4" STEEL - TRISEAL COATED**

Available lengths: 2", 3", 4", 5", 6", 7", 8"



**Water Armor LF (Liquid Flashing)** - 22 lineal feet with 4" width at 12-15 mils. Alternative water proofing for seams between primary sheathing panels, base of wall, into openings, etc.



**2" ProGUARD DP® SILVER C NON-BARB PLATE WASHER - GALVANIZED**

To be used on screws at vertical board edges only



**Water Armor - TG (Trowel Grade)** - Air Barrier (12 perm) - 230 sq. ft. coverage per 5 gallon pail  
**Water Armor (Air and Water)** - (30 perm) - 500 sq. ft. coverage per 5 gallon pail  
**Water Armor VB (Vapor Barrier)** - Vapor Retarder Class 1 (0.07 perm) - 250 sq. ft. coverage per 5 gallon pail



**Sikaflex 11FC Polyurethane Sealant/Adhesive**  
 Used to adhere Util-A-Crete Backerboard strips to exposed foam ledges as required (See previous page)

Arriscraft and General Shale, along with their exclusive dealer/distributor partners, are the exclusive North American distributors/dealers of the Drainage Plane ProGUARD DP® Insulated Concrete Board Panels. Please contact your local Arriscraft or General Shale dealer for samples, pricing and ordering information, or any additional material specific information.

**Arriscraft Cambridge, Ontario**

Phone: 519-653-3275  
Toll Free: 800-265-8123

**Arriscraft Fort Valley, Georgia**

Phone: 478-827-1896  
Toll Free: 888-910-7775

Email: solutions@arriscraft.com

**General Shale Corporate Headquarters**

Johnson City, Tennessee  
Phone: 423-282-4661



Western Virginia Water Authority | ARRIS-tile, ProGUARD DP®



**Thermal Break Elimination**

Energy Code Continuous Insulation (ASHRAE 90.1, IECC, SB-10), NECB, NBC



**Mold/Mildew Resistance**

Meets ASTM D-3273



**Wind Resistance**

Up to 160 Mph



**Impact Resistant Surface**

Ready for Direct Application of Exterior Finishes



**Code Listings**

TCC022305-25



**Fire Rated**

NFPA 285  
ASTM E119  
ASTM E84

