Con-Dri LLC.
605 Weslyan Dr SW • 678.9040038 • Atlanta, GA

DRI-BLOK

To: _____ Contact:_____

Project Name Or Number: _____

Specified Product: _____

Section:_____ Page:_____ Paragraph:_____

Included in this submittal

1. Product description
2. Product performance criteria
3. ASTM E 1745 Class A conformance
4. Installation instructions

Proposed Items for Substitution

- ❑ DRI-Blok 10 (DB10)
- ❑ DRI-Blok 15 (DB15)
- ❑ DRI-Blok Tape (DBTape)
- ❑ CON-DRI-Mastic (CDM)

Submitted By: _____

Signature: _____

Firm: _____

Address: _____

_____

_____

Date: _____

Pertinent specification can be found in :

Division 03 33 00 Cast-In-Place Concrete (vapor retarders for slabs on grade)

****A/E Use****

- ❑ Approved
- ❑ Not Approved
- ❑ Approved as noted

Date:_____

No Changes to contract documents are anticipated upon the approval of DRI-Blok and accessories.

DRI-BLOK 10

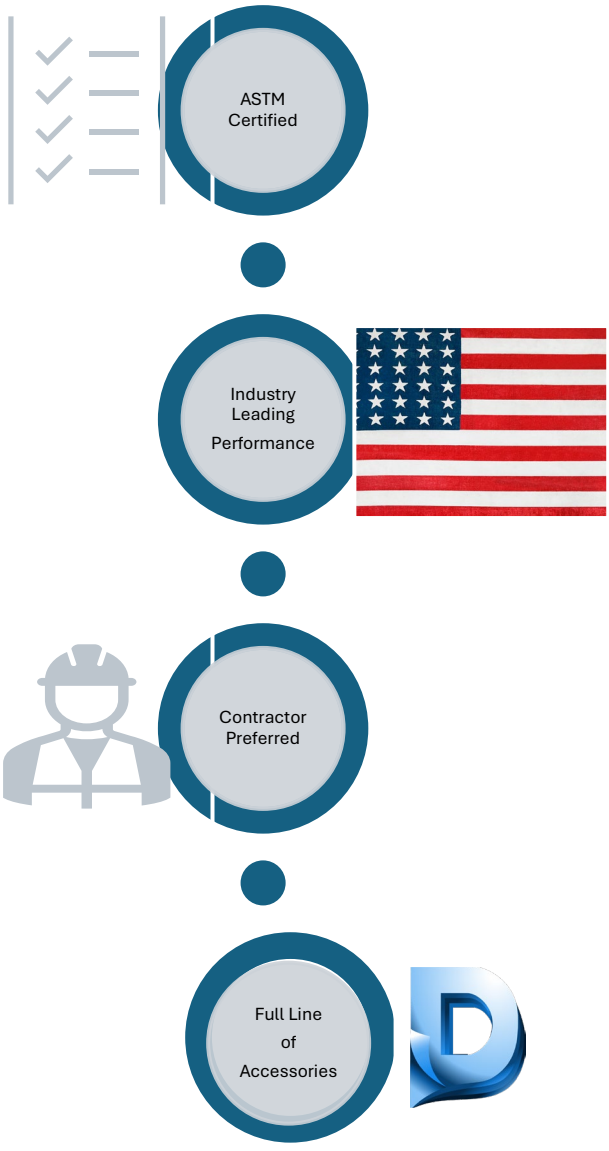
10 MIL - CLASS A VAPOR BARRIER
ASTM 1745

DRI-Blok 10

is a 10 mil thick premium grade, high performance under slab Vapor Barrier. Designed to provide the highest level of protection against moisture driven gases and vapor. Meeting or exceeding all requirements of ASTM 1745

Composition:

DRI-Blok 10 is a multi layer composite plastic sheeting derived from high quality polyolefin virgin resins



Thickness: 10 mil

Size: 14'x210'

Color : Royal Blue

Weight: 142 lbs

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DRI-Blok has been rigorously tested to the highest standards in manufacturing. Allowing DRI-Blok to be suitable for virtually any Class A Vapor Barrier application

Uses:

- **Commercial**
  - Warehouses
  - Retail Stores
  - Restaurants
  - Manufacturing Facilities
  - Hospitals
  - Distribution Centers
  - Government Buildings
  - High Rises
- **Residential**
  - Single Family Homes
  - Apartments
  - Condominiums
  - Crawl Space Encapsulation

DRI-BLOK 10

10 MIL - CLASS A VAPOR BARRIER
ASTM 1745

Accessories:

Dri-Blok Tape 4"x180' (DBTAPE) and Con-Dri Mastic (CDM)

Characteristic	Test Method	Performance
Under Slab Vapor Retarder	**ASTM 1745 Class A,B & C :** Standard specification of water vapor retarders used in contact with soil or granular fill under concrete slabs	Exceeds
Permeance	**ASTM E154** Section 7 ASTM E96 Procedure B	0.0077 perms (grains/ft2*hr*in-Hg)
Permeance After Conditioning	**ASTM E154** Section 8, E96 Section 11, E96 Section 12, E96 Section 13, E96	0.0033 0.0029 0.0037 0.0051
Tensile Strength	**ASTM E154** Section 9, (D882)	55 lbf/in
Puncture Resistance	**ASTM D1709** Method B	2645 g
Methane Transmission	**ASTM D1434** – Standard Test Method for Determining Gas Permeability 192.8 GTR* Characteristics of Plastic Film and Sheeting	444 GTR , mL(STP)/(m2*day)
Radon Diffusion Coefficient	**K124/02/95**	$(2.76+/-0.29)x10^{-12}$ (m^2S^{-1})

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DRI-BLOK 15

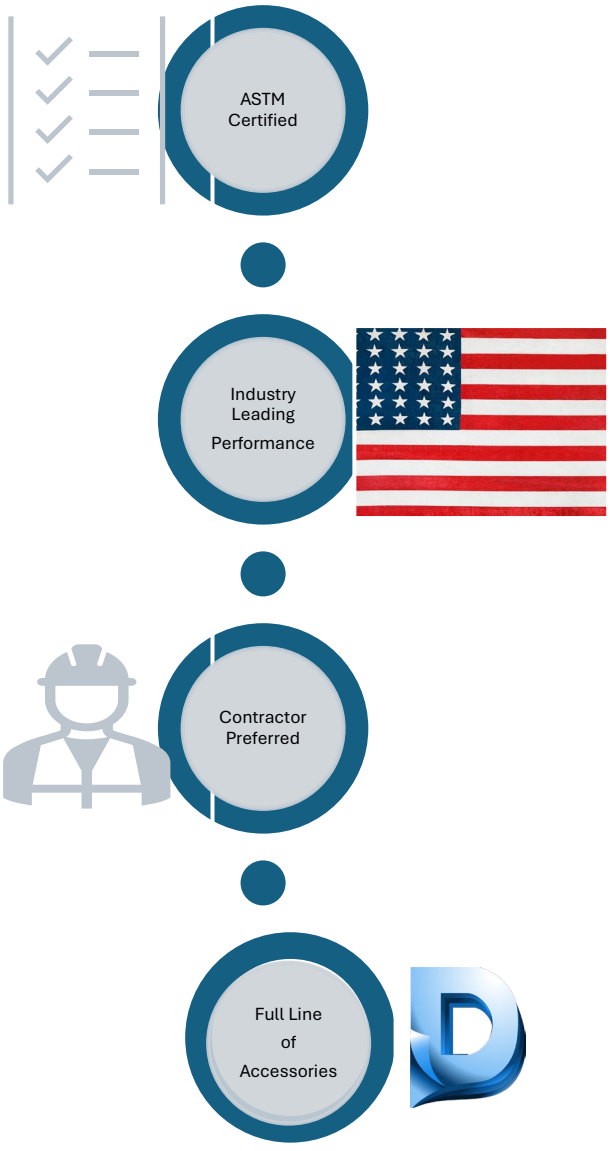
15 MIL - CLASS A VAPOR BARRIER
ASTM 1745

DRI-Blok 15

is a 15 mil thick premium grade, high performance under slab Vapor Barrier. Designed to provide the highest level of protection against moisture driven gases and vapor. Meeting or exceeding all requirements of ASTM 1745

Composition:

DRI-Blok 15 is a multi layer composite plastic sheeting derived from high quality polyolefin virgin resins. Providing more robust vapor mitigation defense.



Thickness:	15 mil
Size:	14'x140'
Color :	Royal Blue
Weight:	141 lbs

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DRI-BLOK 15

15 MIL - CLASS A VAPOR BARRIER
ASTM 1745

DRI-Blok has been rigorously tested to the highest standards in manufacturing. Allowing DRI-Blok to be suitable for virtually any Class A Vapor Barrier application

Uses:

- **Commercial**
  - Warehouses
  - Retail Stores
  - Restaurants
  - Manufacturing Facilities
  - Hospitals
  - Distribution Centers
  - Government Buildings
  - High Rises
- **Residential**
  - Single Family Homes
  - Apartments
  - Condominiums
  - Crawl Space Encapsulation

Accessories:

Dri-Blok Tape 4"x180' (DBTAPE) and Con-Dri Mastic (CDM)

Characteristic	Test Method	Performance
Under Slab Vapor Retarder	**ASTM 1745 Class A,B & C :** Standard specification of water vapor retarders used in contact with soil or granular fill under concrete slabs	Exceeds
Permeance	**ASTM E154** Section 7 ASTM E96 Procedure B	0.0044 perms (grains/ft2*hr*in-Hg)
Permeance After Conditioning	**ASTM E154** Section 8, E96 Section 11, E96 Section 12, E96 Section 13, E96	0.0036 0.0033 0.0030 0.0039
Tensile Strength	**ASTM E154** Section 9, (D882)	82 lbf/in
Puncture Resistance	**ASTM D1709** Method B	3055 g
Methane Transmission	**ASTM D1434** – Standard Test Method for Determining Gas Permeability 192.8 GTR* Characteristics of Plastic Film and Sheeting	287 GTR , mL(STP)/(m2*day)
Radon Diffusion Coefficient	**K124/02/95**	$(3.64+/-0.36)x10^{-12}$ (m^2S^{-1})

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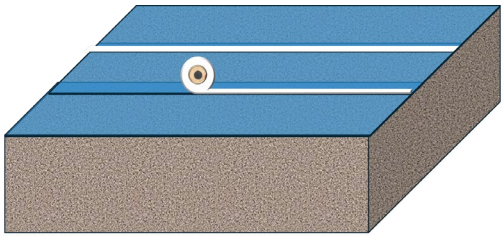
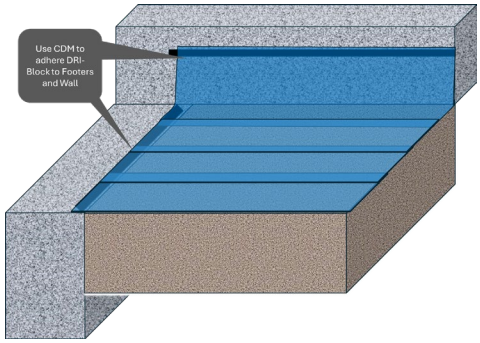
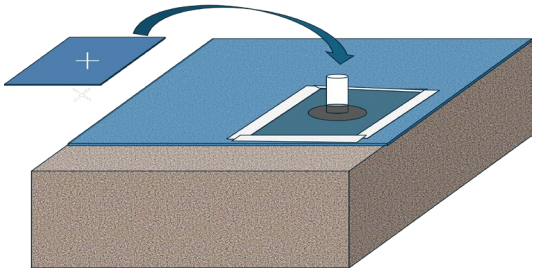
1. DRI-Blok is to be installed on an evenly tamped and prepared surface. Grading material can include but is not limited to: soil, stone, sand, concrete bedding material, or geotextile.
2. Unroll DRI-Blok in the direction of the subsequent concrete placement or in the longest direction of the slab on grade.
3. Minimize cuts when possible



4. Overlap the edges of DRI-Blok a minimum of 6” and tape the Seam using DB Tape.



5. Repairs, penetrations, and terminations can be sealed using cut pieces of DRI-Blok and/or DRI-Mastic and/or DB Tape.



Technical Services

Please call **678.904.0038** for any support you may need with regards to your project in conjunction with DRI-Blok

Maintenance

Once Dri-Blok has been installed. Repair any visible damages using DRI-Mastic or DRI-Blok Tape.

WARRANTY: Con-Dri offers a limited warranty on DRI-Blok to meet the published specifications as well as to be free of defects in product materials and workmanship at the time of shipment.

Con-Dri does not offer any warranties with regards to the merchantability or fitness of products for a particular use. Please contact Con-Dri for more information surrounding the limited warranty of DriBlok.

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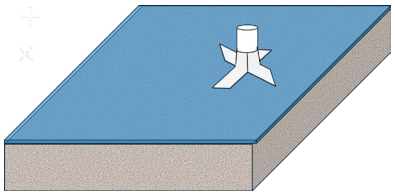
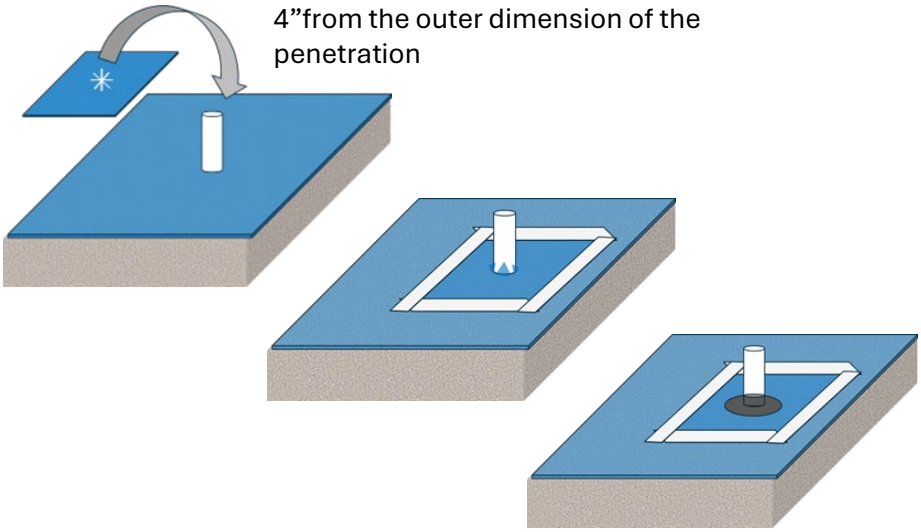
OPTION 1.

1. For clean uniform single penetrations DB Tape can be used to seal the DRI-Blok to the penetration.
2. Place the DRI-Blok and cut a slit or a hole just wide enough for the penetration to pass through.
3. Secure the DRI-Blok to the penetration using strips extending vertically up penetration, repeat all the way around until the penetration is properly secured.



Option 2.

1. For gas barrier applications or obstructed, clustered or irregular penetrations.
2. Place the base layer of DRI-Blok cutting holes wide enough for the penetration to pass through.
3. Cut an additional piece of DRI-Blok large enough to extend beyond the outer dimension of the penetration in all directions
4. Cut an “X” where the penetration is lined up approximately 3/8” smaller than the diameter of the penetration.
5. Place the cut piece over the penetration and secure in place with DB Tape.
6. Encapsulate the penetration with Con-Dri Mastic 1” above any exposed DRI-Blok and 4”from the outer dimension of the penetration



Technical Services

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Maintenance

Once Dri-Blok has been installed. Repair any visible damages using DRI-Mastic or DRI-Blok Tape.

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DRI-BLOK TAPE

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❖ Product Name

DRI-Blok Tape

❖ Physical Properties

Size: 4”x180’

Color : White

Weight: 3 lbs.

❖ Product Description

DRI-Blok Tape : is a single sided white polyethylene tape with an acrylic pressure sensitive adhesive. DRI-Blok Tape is designed to be used in the placement of under slab vapor barriers.

Uses: Under slab vapor barrier seaming, repairs, penetrations. Assorted applications requiring a high performance construction grade tape.

❖ Technical Data

Standards:

ASTM E1643 – standard practice for design, installation and inspection of Water Vapor Retarders used in contact with earth or granular fill under concrete slabs.

Properties:	Result
Thickness (mils)	9
Tensile Strength	20 lbs / inch
Peel Adhesion	70
Adhesive	Rubber/ Acrylic
Residue After Removal	Clean

CON-DRI Mastic

Version 11.26.2024

Con-Dri LLC.
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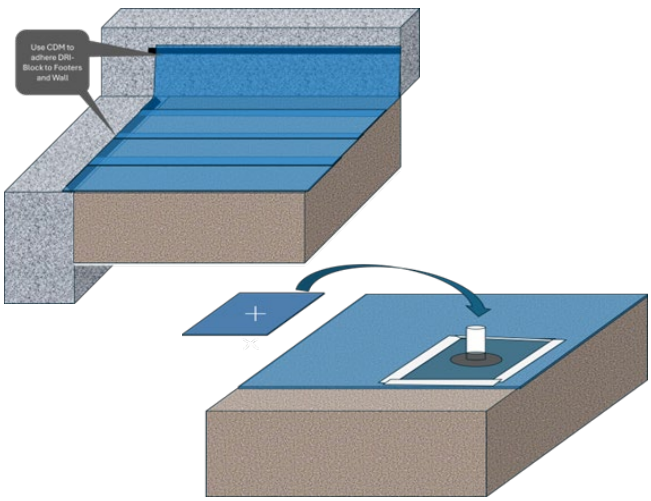
Description

DRI-Mastic is a commercial grade trowelable waterproofing mastic based of polymer modified asphalt emulsion. DRI-Mastic is used as an adhesive and sealant in underslab vapor barrier applications. DRI-Mastic exhibits excellent strength, adhesion, and flexibility. DRI-Mastic is a premium grade waterproofing compound used in commercial building construction for detailed applications.

DRI-Mastic is formulated to be used with DRI-Blok under slab vapor barriers but can be effectively used as a sealant or patch for tie holes, protrusions, penetrations, cold joints and honeycombs. This product is also a great choice for repairing cracks, seam failures and other water penetration points on existing structures. DRI-Mastic is also used as an adhesive for flashing and other termination materials.

Applications

- Sealant at penetrations of DRI-Blok
- Sealant and adhesive for terminations of DRI-Blok
- Repair mastic
- Seam and crack repair in waterproofing or barriers
- Commercial or residential construction
- Additional mitigation in gas barrier or ultra low perm applications



Property	Testing	Value
Color		Black/Brown
Solids		63% ± 2%
Thickness		40-60 mil dry
Tensile Strength 412	ASTM D	87 psi
Elongation 412	ASTM D	1800%
MVT 96	ASTM E	0.19 gr/hr* sq. ft.
Adhesion to Concrete 834	ASTM C	Exceeds
Shore Hardness Crack 836	ASTM C	75
Bridging 836	ASTM C	Exceeds
Low Temp Flexibility 836	ASTM C	No Cracking
Perm Rating 836	ASTM C	0.38 perms