E2ZERO® Radon and Vapor Blocker

Radon and vapor-tight membrane for under-slab and crawlspace installations. The membrane prevents gas and moisture migration from soil into the building.

Product
RB-14-411

Width
4‘11“
150 cm

Strength
14 mil
15 oz./yd²
350 g/m²

Color
red

Length
164‘
50 m

Area
807 ft²
75 m²

30 Rolls per pallet · 24,210 ft²

Product
RB-14-822

Width
8‘22“
300 cm

Strength
14 mil
15 oz./yd²
350 g/m²

Color
red

Length
164‘
50 m

Area
1615 ft²
150 m²

30 Rolls per pallet · 48,450 ft²

Advantages

- Can be used in commercial, residential, and industrial applications.
- Durable and tear-resistant membrane.
- Resists deterioration.
- Lightweight and easy to install.

Technical Properties

Property	Test Method	Units	Value
Total grammage	EN 1849-2	g/m²	340 (±5%)
Thickness	EN 1849-2	mm	0.35
Sd value	EN 1931	k	251
Resistance to static load.	EN 12730 method B	kg	20
against heat ageing	EN 1296	-	W1
against chemicals	EN 1847	-	W1
Tearing strength MD	EN 12310-1	N	265
Tearing strength CD	EN 12310-1	N	300
Tensile strength MD	EN 12311-1	N/50mm	355
Tensile strength CD	EN 12311-1	N/50mm	265
Elongation CD	EN 12311-1	%	18
Elongation MD	EN 12311-1	%	17
Foldability at low temp.	EN 495-5		Pass -45° C
Radon transmittance	SP method	m/s	1.8×10^{-8}
Radon permeability	SP method	m²/s+	6.4×10^{-12}
Methane permeability	VTT gas chromatography	kg m/s	1.2×10^{-12}

The Radon and Moisture Blocker can be installed over an aggregate, sand, or tamped earth base in case of under-slab installations or in crawlspaces. The subsoil should be even and free of topsoil and vegetable matter. An additional surface blinding of soft sand (cushion layer or sand base) is recommended in case of sharp-edged aggregate to prevent puncture of the barrier during installation. Installation: Create a six-inch overlap of the Radon and Moisture Blocker at all seams and seal it gas-tight at terminating edges to the foundation wall, slab or grade beam. Also seal around permanent penetrations and avoid puncturing or damages of the Radon and Moisture Blocker. Damaged areas of the Radon and Moisture Blocker must be repaired. Note: These instructions are meant to be used as a guide, and do not take into account specific job site situations. Consult local building codes and regulations along with the building owner or owner's representative before proceeding. If you have any questions regarding the above mentioned installation instructions or E2zero® products, please ask us at www.e2zero.com for technical assistance.

www.e2zero.com

E2ZERO® Radon and Vapor Blocker

Membrane with integrated self-adhesive tapes.

Radon and vapor-tight membrane for under-slab and crawlspace installations. The membrane prevents gas and moisture migration from soil into the building.

1. Membrane-integrated self-adhesive tapes.

   Note: Create a six-inch overlap at all seams.

2. Removable release film (silicone paper).

Product
RB-14-411-IT

Width
4‘11“
150 cm

Strength
14 mil
15 oz./yd²
350 g/m²

Color
red

Length
164‘
50 m

Area
807 ft²
75 m²

30 Rolls per pallet · 24,210 ft²

Product
RB-14-822-IT

Width
8‘22“
300 cm

Strength
14 mil
15 oz./yd²
350 g/m²

Color
red

Length
164‘
50 m

Area
1615 ft²
150 m²

30 Rolls per pallet · 48,450 ft²

Advantages

- Reduced labor costs due to integrated self-adhesive tape.
- Can be used in commercial, residential, and industrial applications.
- Durable and tear-resistant membrane.
- Resists deterioration.
- Lightweight and easy to install.

Technical Properties

Property	Test Method	Units	Value
Total grammage	EN 1849-2	g/m²	340 (±5%)
Thickness	EN 1849-2	mm	0.35
Sd value	EN 1931	k	251
Resistance to static load.	EN 12730 method B	kg	20
against heat ageing	EN 1296	-	W1
against chemicals	EN 1847	-	W1
Tearing strength MD	EN 12310-1	N	265
Tearing strength CD	EN 12310-1	N	300
Tensile strength MD	EN 12311-1	N/50mm	355
Tensile strength CD	EN 12311-1	N/50mm	265
Elongation CD	EN 12311-1	%	18
Elongation MD	EN 12311-1	%	17
Foldability at low temp.	EN 495-5		Pass -45° C
Radon transmittance	SP method	m/s	1.8×10^{-8}
Radon permeability	SP method	m²/s+	6.4×10^{-12}
Methane permeability	VTT gas chromatography	kg m/s	1.2×10^{-12}

The Radon and Moisture Blocker can be installed over an aggregate, sand, or tamped earth base in case of under-slab installations or in crawlspaces. The subsoil should be even and free of topsoil and vegetable matter. An additional surface blinding of soft sand (cushion layer or sand base) is recommended in case of sharp-edged aggregate to prevent puncture of the barrier during installation. Installation: Create a six-inch overlap of the Radon and Moisture Blocker at all seams and seal it gas-tight at terminating edges to the foundation wall, slab or grade beam. Also seal around permanent penetrations and avoid puncturing or damages of the Radon and Moisture Blocker. Damaged areas of the Radon and Moisture Blocker must be repaired. Note: These instructions are meant to be used as a guide, and do not take into account specific job site situations. Consult local building codes and regulations along with the building owner or owner's representative before proceeding. If you have any questions regarding the above mentioned installation instructions or E2zero® products, please ask us at www.e2zero.com for technical assistance.