

EKÖ-RAD - ANTIRADON TILE

Dimensions	48 in x 48 in [1219 mm x 1219 mm]
Covering area	16 ft ² [1.486 m ²]
Total thickness	4.2 in [106.68 mm]
Leg height	1.5 in [38.1 mm]
Free ventilation space	1.25 ft ³ / panel [35.5 liters / panel]
Shiplap on 4 sides	1 in [25.4 mm]
Total thermal resistance (min.) (ASTM C518)	R 11.1 (h °F ft ²) / BTU [RSI 1.95 (m ² K) / W] (Meets Novoclimat 2.0)*
Compression resistance (min) @ 10 % of deformation (ASTM D1621)	18.1 psi [125 kPa]
Active bearing capacity of legs	260 lbs / ft ² [1270 kg / m ²]
	4160 lbs / panel [1891 kg / panel]
Linear dimensional stability (ASTM D2126)	1.5 % maximum
Flexural strength (min.) (ASTM C203)	34.8 psi [240 kPa]
Water vapour maximum permeability (ASTM E96)	3.5 Perms
Water absorption (max.) (ASTM D2842)	4 %
Oxygen limit index (min.) (ASTM D2863)	24 %
Packaging options	Regular plastic wrap
	UV plastic wrap (For long-term storage)

* In case of a ground slab with integrated footings, a 16.1 R Value is required to comply with Novoclimat 2.0 standard. Ekö-RAD tile with R Value of 16.1 is available on request.

Expanded polystyrene (EPS) is a very effective insulation material. It is reknown to offer the best thermal resistance / price value on the market. EPS has proven to be an efficient insulation for over 50 years. Its closed-cell rigid structure maintains its air volume. It can not be compacted and it is not affected by water and humidity. Even in a damp environment, EPS maintains its thermal resistance over time. Regardless of conditions, it will keep the building's insulating value.

Made of 98 % air and free of CFC, HCFC and HFC, expanded polystyrene is an environmental safe material as it does not contaminate the air!



BUILDING APPLICATIONS:

- Under-slab insulation
- Residential, commercial & industrial projects

EKÖ-RAD

ANTIRADON INSULATING TILE

CAN / ULC S701, Type 2 standard



Maintains its thermal resistance in a damp environment (R Value) over the years

48 in x 48 in panel (*Adjustable thickness as per targeted thermal resistance*)

Moulded in EPS

LIGHT and RIGID (*Contains 98 % of AIR*)

DOES NOT contain CFC / HCFC / HFC

Water and humidity RESISTANT

Does not contribute to growth of mold

DURABLE and INERT, does not decompose

FIREPROOF material, does not spread flame

Recyclable

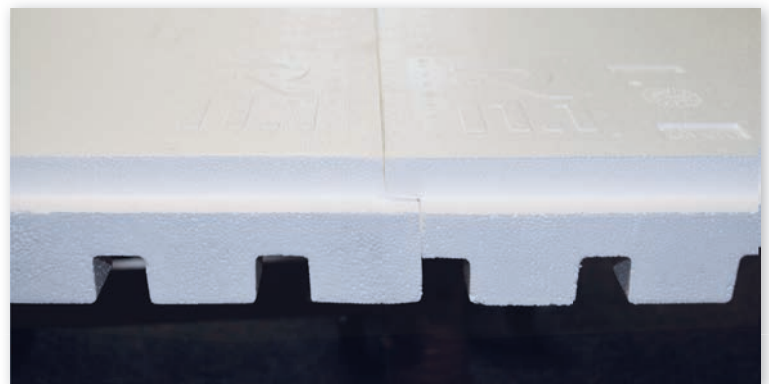
Geotechnical behaviour DOCUMENTED and PREDICTABLE

Meets CAN / ULC S701 Type 2 standard (*Polystyrene thermal insulation, boards and pipe coverings*) and meets National Building Code

• • **IMPORTANT: Install the tile with legs facing downwards** • •

Over the years, Polymos® has been involved on numerous projects relying on the unique characteristics of lightweight fill. From that extensive experience, Polymos® specialists developed an unmatched expertise to offer you more than only lightweight fill. **Contact us to benefit from our full services :**

- Technical assistance
- Design
- Lightweight fill components custom-design and manufacturing



* Contact us for more information or to get a quotation based on your project's specifications.



polymos
We shape ideas with foam

150 5th Boulevard, Terrasse-Vaudreuil, Quebec, Canada J7V 5M3 Tel.: (514) 453-1920 Fax: (514) 453-0295

www.polymos.com info@polymos.com