



Quik-Therm Insulation Solutions Inc.

ENVELOPE DETAILS

Quik-Therm Sub-Grade (SGI)

quiktherm.com (888) 735-3012 (204) 736-3012

QT-SGI-1

CONCRETE SLAB ON GRADE SECTION VIEW

1 1/2" = 1'-0"

SEAL STRIP OF 6 MIL POLY TO QUIK-THERM™ SGI W/ ADBOND EXTREME. SEAL POLY TO CONCRETE WALL W/ ADBOND 5692

SEAL PIPES AT QUIK-THERM™ SGI USING ADSEAL 4580 OR TAPE AND SEAL JOINTS OF GREENSKIN RADON BARRIER

COMPATIBLE TAPE AT PANEL JOINTS TYP.

QUIK-THERM™ SGI UPSTAND

CONCRETE SLAB ON GRADE
QUIK-THERM™ SGI INSULATION OVER PREPARED SUB-BASE

QUIK-THERM 'MPI' DETAIL OR

QUIK-THERM 'TGC' DETAIL

OPTION A

SEAL STRIP OF 6 MIL POLY TO QUIK-THERM™ SGI W/ ADBOND EXTREME. SEAL POLY TO CONCRETE WALL W/ ADBOND 5692

SEAL PIPES AT QUIK-THERM™ SGI USING ADSEAL 4580 OR TAPE AND SEAL JOINTS OF GREENSKIN RADON BARRIER

COMPATIBLE TAPE AT PANEL JOINTS TYP.

QUIK-THERM™ SGI SEALED TO CONCRETE WALL W/ ADSEAL 4580

CONCRETE SLAB ON GRADE
QUIK-THERM™ SGI INSULATION OVER PREPARED SUB-BASE

WALL ASSEMBLY AS PER

DESIGN BY OTHERS

OPTION B

QT-SGI CONCRETE



Quik-Therm Insulation Solutions Inc.

ENVELOPE DETAILS

Quik-Therm Sub-Grade (SGI)

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QT-SGI-2

NOTES 1

1 1/2" = 1'-0"

Handling & Storage Considerations Notes

1. Store product in a covered area, away from the elements and direct sunlight.
2. Protect product from damage. Although Quik-Therm SGI is rugged and durable, corners and edges are especially susceptible to damage during transport, storage and installation.
3. Although product is lightweight, it is typically shipped in bundles 1' thick consisting of several individual sheets.
4. Bundles may be awkward to handle due to their physical size. Use proper caution to avoid personal injury and/or physical damage to product.
5. Product has an EPS foam core. Keep away from extreme heat.
6. Avoid walking on uninstalled product.

Personal Protective Equipment Notes

Follow standard workplace safety protocols including (but not limited to) the use of eye and hearing protection, gloves, and dust masks as required.

Cutting Notes

1. The product can be cut using a variety of methods typical for standard foam board insulation, including (but not limited to):
 - Utility Knife
 - Hand Saw
 - Circular Saw
 - Table Saw
 - Hot Knife

Suggested Tools and Materials Notes

Utility Knife & Blades, Measuring Tape, Plastic Spatula, Approved Tapes: Tuck Tape 202 by Canadian Technical Tape Limited or Flex Fix by Berry Plastics Corporation

Basic Panel Installation Notes

1. When connections (joints) are taped (sealed) using approved tapes or sealants, SGI meets code compliancy as an air, vapour and radon barrier. Preferred: 202 FlexPro
2. SGI joints should be tight together and perimeter edges to be taped should be dry and clean.
3. Tape should be applied with pressure using a plastic spatula.
4. As part of an air, vapour or radon barrier system, SGI can be connected to 6 mil poly.
5. Ensure that all penetrations are sealed using AdSeal 4580 or Tape and Seal Joints of Greenskin Radon Barrier.
6. Seal SGI at subgrade perimeter with Adbond 5692 as Detailed.

Best Practices Notes

1. It is important to recognize that the successful use of below grade foam insulation depends upon its correct installation using good building practice. In below grade applications the success of Quik-Therm SGI depends, to some extent, upon adequate drainage of water away from the foundation. The following design considerations should be taken into account for below grade applications:
 - Direct Water Away From The Foundation. Provide a slope at grade away from the foundation of at least 6" in 10 feet.
 - Direct down spouts to drain at least 3 feet away from the building.
 - Avoid landscaping that requires excessive watering in the vicinity of the foundation wall.
 - Provide adequate sub-grade drainage. Use well graded backfill or other appropriate measures to provide sufficient sub-grade drainage adjacent to foundation wall.
 - Wrap a geotextile filter fabric around the drain tile at the base of the foundation or place granular fill material over the drain tile.
 - Keep the level of perimeter drain tile below the basement floor and ensure the drain tile has adequate slope to the outflow point.
 - Seal walls, tie rod holes and control joints.
 - Seal and flash top edge of foundation and insulation

EPS Type Notes

- TYPE 1: Compressive Strength: 12.6 psi (1815 psf) Supports a 4 to 8 inch concrete slab. Examples: basement floors, garage floors, warehouse structures and backfilled vertical Foundations.
- TYPE 2: Compressive Strength: 19.7 psi (2835 psf) Supports a minimum thickness slab of 5.5 inches. Vehicular traffic, heavy vehicles and farm machinery.
- TYPE 3: Compressive Strength: 26.7 psi (3845 psf) Supports load bearing walls and footings. For these applications a specific geotechnical assessment should be undertaken.