**H-Shield CG**

**Product Description**
H-Shield CG is a rigid roof insulation panel composed of a closed cell polyisocyanurate foam core manufactured on-line to a premium performance coated glass facer on both sides (CGF).

**Features and Benefits**
- Manufactured with NexGen Chemistry: Contains no CFCs, HCFCs, is Zero ODP, EPA Compliant, and has virtually no GWP.
- Achieves a UL Class A combustible deck assembly rating without the use of a fire rated slip sheet or gypsum cover board when applied at a thickness of 1" or greater. Insulation joints must be staggered a minimum of 12" from the combustible deck joints. Maximum roof slope = 1/2":12".
- Manufactured with a light and dark side that allows for faster or slower adhesive flash-off times in fully adhered applications.
- For all other applications the facer performance is unchanged.

**Panel Characteristics**
- Available in 4’x4’ (1220mm x 1220mm) and 4’x8’ (1220mm x 2440mm) panels in thicknesses of 1" (25mm) to 4.5" (114mm).
- ASTM C 1289 Type II, Class 2 Grade 2 (20 psi) or Grade 3 (25 psi).
- State of Florida Product Approval Number FL 5968
- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1420
- Miami Dade County Product Control Approved
- Underwriters Laboratories Inc Classifications
  - UL Class A at 1" thickness
  - UL 1256
  - Insulated Steel Deck Construction Assemblies – No. 120, 123, 292
  - UL 790
  - UL 263 Hourly Rated P Series Roof Assemblies

**Codes and Compliances**
- ASTM C 1289 Type II, Class 2 Grade 2 (20 psi) or Grade 3 (25 psi)
- International Building Code (IBC) Chapter 26
- State of Florida Product Approval Number FL 5968
- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1420
- Miami Dade County Product Control Approved

**Underwriters Laboratories Inc Classifications**
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**UL Classified for use in Canada**
- Refer to UL Directory of Products Certified for Canada for more details
- CCMC 13460-L
- UL Certified for Canada, CAN/ULC-S126, CAN/ULC-S101, CAN/ULC- S107
- CAN/ULC-S704 Type 2, Class 3 (20 psi) or Type 3, Class 3 (25 psi)

**Factory Mutual Approvals**
- FM 4450, FM 4470
- Approved for Class 1 insulated steel, concrete, and gypsum roof deck constructions for 1-60 to 1-270. Refer to FM Approval’s RoofNav for details on specific systems.
WARNINGS AND LIMITATIONS
Insulation must be protected from open flame and kept dry at all times. Install only as much insulation as can be covered the same day by completed roof covering material. Hunter Panels will not be responsible for specific building and roof design by others, for deficiencies in construction or workmanship, for dangerous conditions on the job site or for improper storage and handling. Technical specifications shown in this literature are intended to be used as general guidelines only and are subject to change without notice. For more information refer to the Storage and Handling Technical Bulletin at www.hunterpanels.com, or refer to PIMA Technical Bulletin No. 109: Storage & Handling Recommendations for Polyiso Roof Insulation at www.polyiso.org.

INSTALLATION

Single-Ply Systems

Ballasted Single-Ply

H-Shield CG panels are loosely laid on the roof deck. Butt the edges of the insulation panels and stagger the joints. Install the roof covering according to the manufacturer’s specifications.

Mechanically Attached Single-Ply Systems

H-Shield CG must be secured to the roof deck. Butt the edges of the insulation panels and stagger the joints. Install the roof covering according to the manufacturer’s specification.

Fully Adhered Single-Ply

Each H-Shield CG panel must be secured to the roof deck. Maximum 4’x4’ (1220mm x 1220mm) panels of H-Shield CG may be adhered to a prepared concrete deck or subsequent layers of insulation with a full mopping of hot steep asphalt, insulation adhesive or cold applied mastic. Butt edges and stagger joints of adjacent panels. Either the dark side or the white side may be installed face-up to allow for desired adhesive flash-off times. Install the roof covering according to the manufacturer’s specifications.

Built Up, Coal Tar And Modified Bitumen Systems (APP, SBS)

Each H-Shield CG panel must be secured to the roof deck. Maximum 4’x4’ (1220mm x 1220mm) panels of H-Shield CG may be adhered to a prepared concrete deck or subsequent layers of insulation with a full mopping of hot steep asphalt, insulation adhesive or cold applied mastic. Butt edges and stagger joints of adjacent panels. Install the roof covering according to the manufacturer’s specifications.

To achieve optimal thermal performance, Hunter Panels recommends installation of a multi-layer system with staggered joints.