

Product Announcement – Defend-R Roof and Defend-R CI Wall Insulation  
July 16, 2024

To: Drexel Metals' Customers

We are pleased to announce the addition of ten new insulation products to the Drexel Metals lineup. This offering contains three roof products and seven wall products in a wide range of panel thicknesses and facers.

**Roof Insulation:**

- Defend-R
- Defend-R Coated Glass
- Defend-R Nail Base

Defend-R – A durable roof insulation panel with a closed-cell polyisocyanurate foam core and fiber facers (GRF), ideal for harsh conditions and compatible with major roof systems. Designed for optimal thermal performance, it offers energy efficiency, comfort and versatility, including customizable options and suitability for various roofing applications.

Defend-R Coated Glass – Features premium performance coated glass facers (CGF) on both sides for enhanced stability, fire resistance, and mold prevention. It offers installation flexibility with options for white or dark facers to control flash-off time.

Defend-R Nail Base – Integrates fiber-reinforced facers on one side and 7/16" OSB fastening substrate on the other, providing a solid surface to attach standing seam metal panels, shingles, and slate tiles, as well as single-ply roof systems. Defend-R Nail Base provides a resilient surface with APA-TECO Rated Exposure 1 OSB, ensuring ease of installation and structural integrity.

**Wall Insulation:**

- Defend-R CI Coated Glass
- Defend-R CI Coated Glass (Class A)
- Defend-R CI Foil
- Defend-R CI Foil (Class A)
- Defend-R CI Ply
- Defend-R CI Ply (Class A)
- Defend-R CI Nail Base

Defend-R CI Coated Glass and CI Coated Glass (Class A) – Energy-efficient rigid insulation panels for commercial and residential wall “ci” applications. Both feature closed-cell polyisocyanurate foam cores and NexGen Chemistry, offering eco-friendly properties and premium coated glass facers for superior fire performance and durability. Class A version denotes <25 flame spread foam core formulation.

Defend-R CI Foil and CI Foil (Class A) – Feature closed-cell polyisocyanurate foam cores with impermeable foil facers for added moisture resistance and easy handling. They are compatible with a wide variety of wall constructions and claddings/finishes, offering high R-value per inch. Defend-R CI Foil (Class A) provides <25 flame spread and comes with a reinforced foil facer for added durability and performance.

Defend-R CI Ply and CI Ply (Class A) – Feature closed-cell polyisocyanurate foam cores bonded to premium performance coated glass facers on one side and fire-treated plywood on the other. Compatible with various wall constructions and cladding/finishes, they offer a simplified means for cladding attachment while incorporating exterior “ci”. Defend-R CI Ply (Class A) additionally boasts a <25 flame spread polyisocyanurate foam core, suitable for a wide range of commercial wall assemblies.

Defend-R CI Nail Base – Offers energy-efficient rigid insulation for Type V commercial and residential wall constructions. It features a closed-cell polyisocyanurate foam core bonded to a premium coated glass facer on one side and 7/16" or 5/8" OSB or plywood on the other. With superior insulating properties and a nailable surface, it provides a single-step solution for both “ci” and cladding attachment.

In addition to the panels, coordinating accessories are also available. For more detailed information, please refer to the insulation page at [drexelmetals.com](http://drexelmetals.com).

Samples are available and can be ordered via the online [samples and literature order form](#).

Sincerely,



Todd Bergman  
Carlisle Architectural Metals Product Manager