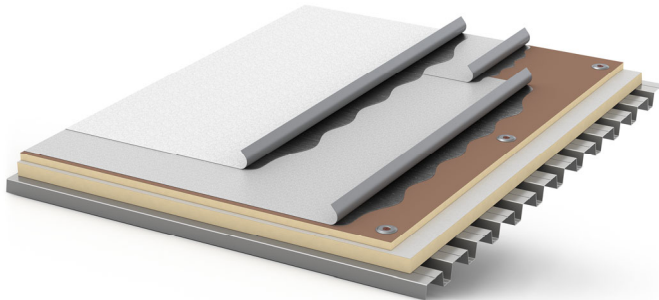


Submittal Sheet

APP Cool System Insulated Deck

Roofing System Limited Warranty: Up to 20 Years, 55 mph



- GenFlex™ Granule-Surfaced APP Cool Cap Sheet
- GenFlex APP Cool Base Sheet
- GenFlex Multi-Purpose MB Cold Adhesive
- Cover Board (Optional) – Mechanically Attached or Adhered
- Insulation (Required) – Mechanically Attached or Adhered
- Appropriate Deck

Slope Requirement:

- Positive drainage required $\geq \frac{1}{4}$ " (2.1 %) slope required for warranties \leq 20 years

Construction Type:

- New Construction Complete Tear-off Recover (Any wet or damaged materials removed prior to installation)

Building Height Limitation:

Adhered Systems are limited to buildings 250' (76.2 m) or less. Contact GenFlex for heights greater than 250' (76.2 m).

Air Barrier:

An air barrier is recommended for projects with large wall openings greater than 10% of the total wall area.

Vapor Barrier:

- Vapor Shield and Thermal Barrier Vapor Shield w/o Thermal Barrier⁶ 4-6 mil poly

Base Tie-Ins:

Must be attached to substrates which provide a minimum of 200 lbf (1 kN) in any direction.

Increased Wind Speed and Codes:

Any wind speed coverage exceeding 55 mph (88 km/h) or projects with code requirements must be reviewed by a GenFlex Regional Technical Coordinator.

Deck Requirement:

- Minimum ½" (13 mm) Plywood Minimum 7/16" (11.1 mm) OSB Minimum 1" (25 mm) Wood Plank
 Minimum 2" (51 mm) Poured Gypsum Minimum 2" (51 mm) Cementitious Wood Fiber
 Minimum 22 Gauge Steel Minimum 2,500 psi (17.2 MPa) Structural Concrete, min. 3" (76 mm) thick

Insulation Fasteners and Plates: (Based on appropriate deck type) GypTec Fasteners and Insulation Plates

- #14 Fasteners and Insulation Plates CD-10 Concrete Fastener and Insulation Plates
 #15 WH Fasteners and Insulation Plates HailGard™ Fastener (with NailBase Composite Board or OSB only)

Insulation Adhesive*:

- One Step Insulation Adhesive Quick Dual™ ISO Bond

*NOTE: Max. 4' x 4' boards must be used when attaching insulation with adhesives

Insulation Adhesive Attachment:

Max. 15 Year Warranty:

- Bead Spacing: F: 12", P: 12", C: 12"

20 Year Warranty:

- Bead Spacing: F: 12", P: 6", C: 6"

- Full Coverage

Membrane Attachment:

- GenFlex MB Multi-Purpose Cold Adhesive Hybrid

Surfacing: APP Granule-Surfaced Cap Sheet

GenFlex Factory Formed Edge Metal System:

- GenFlex Coping System GenFlex Fascia System
 Drip Edge Wood Nailer Alternative

Non-Factory Formed Edge Conditions:

- GenFlex Termination Bar GenFlex Approved Detail

Substrate Attachment Rates for Standard 55 mph Wind Speed (Top Layer, 4' x 8' Board)

Thickness	Substrate Material	Minimum Fasteners
<input type="checkbox"/> 1.0" – 1.4"	<input type="checkbox"/> GenFlex GL ISO or GenFlex ISO or <input type="checkbox"/> GenFlex CG ISO or Coated Glass Facer Polyiso	16
<input type="checkbox"/> 1.5" – 1.9"		12
<input type="checkbox"/> 2.0" – 4.0"		8
<input type="checkbox"/> 1.5" – 1.9"	<input type="checkbox"/> GenFlex NB ISO or NailBase Composite Board / <input type="checkbox"/> OSB / <input type="checkbox"/> Plywood (Plate and Fastener)	12
<input type="checkbox"/> 2.0" – 4.0"		8
<input type="checkbox"/> GenFlex NB ISO or NailBase Composite / OSB / Plywood (HailGard Fastener)		16
<input type="checkbox"/> GenFlex HD Composite		12
<input type="checkbox"/> GenFlex HD ISO or GenFlex 1/2" HD ISO Cover Board		12
<input type="checkbox"/> 1/4"	<input type="checkbox"/> SECUROCK® Brand Gypsum-Fiber Roof Board <input type="checkbox"/> SECUROCK UltraLight Coated Glass-Mat Roof Board NOTE: Required when torch or hot applying base sheet	10
<input type="checkbox"/> 1/2"		8
<input type="checkbox"/> 5/8"		8
<input type="checkbox"/> 1/4"	DensDeck® Prime Roof Board NOTE: Required when torch or hot applying base sheet	12
<input type="checkbox"/> 1/2"		8
<input type="checkbox"/> 5/8"		8
<input type="checkbox"/> 5/8"	DensDeck Prime StormX™ Roof Board NOTE: Required when torch or hot applying base sheet	8
<input type="checkbox"/> 1/4"	DEXcell® Glass Mat Roof Board NOTE: Not for use with adhered membrane or insulation adhesives. May be used as insulation layer or thermal barrier layer when fastened through.	12
<input type="checkbox"/> 1/2"		8
<input type="checkbox"/> 5/8"		8
<input type="checkbox"/> 1/4"	DEXcell FA™ Glass Mat Roof Board NOTE: Required when torch or hot applying base sheet	12
<input type="checkbox"/> 1/2"		8
<input type="checkbox"/> 5/8"		8
<input type="checkbox"/> 7/16"	DEXcell Cement Roof Board NOTE: Required when torch or hot applying base sheet	10
<input type="checkbox"/> 5/8"		8
<input type="checkbox"/> 5/8"	DEXcell FA VSH™ Glass Mat Roof Board NOTE: Required when torch or hot applying base sheet	8
<input type="checkbox"/> 1/2"	Structodek® High Density Wood Fiber Board	16

Assembly Options – Warranty Terms

Warranty (Years)	Fully Adhered Cool Base Sheet	Fully Adhered Cool Cap Sheet	Flashings (Apply in MB Multi-Purpose Flashing Cement)
5 – 10	Optional on concrete deck; Choose from below if desired.	<input type="checkbox"/> APP 180 Cool	<input type="checkbox"/> One ply of fully adhered APP granule-surfaced Cool cap sheet Two Plies, Consisting of: <input type="checkbox"/> One ply of adhered APP Cool base sheet, AND <input type="checkbox"/> One ply of adhered APP granule-surfaced Cool cap sheet, OR <input type="checkbox"/> UltraFlash™ One-Part Liquid Flashing
15 – 20	<input type="checkbox"/> APP 160 Cool		

NOTE:

- Only GenFlex brand products are covered in a Roofing System Warranty.
- Refer to the GenFlex Technical Database at www.genflex.com for additional information regarding appropriate roof systems and roof system warranty requirements. Review appropriate details and installation requirements based on warranty term requested.
- It is the installing contractor's responsibility to follow all applicable building codes.
- Contact GenFlex Technical Services for full warranty requirements.
- DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC, SECUROCK is a registered trademark of USG Corporation, Structodek is a registered trademark of Blue Ridge Fiberboard, Inc., and DEXcell is a registered trademark of National Gypsum Company.
- Thermal barrier required when using Vapor Shield over a Steel Deck on FM Insured or FM Specified projects.
- #12 Fasteners are approved for use on Wood Decks. Steel Deck applications are limited to 15-year warranty coverage.
- Membrane may not be adhered directly to HD ISO or CG ISO with Hot Asphalt.
- It is not recommended to encapsulate DensDeck in hot asphalt. When mopping to DensDeck, the MAXIMUM hot asphalt temperature is 450 °F (232 °C).
- Wood walls require a mechanically fastened Base Sheet beneath the flashing assembly.

This sheet is meant to highlight GenFlex products and specifications and is subject to change without notice. Amrize takes responsibility for furnishing quality materials that meet published GenFlex product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Amrize nor its representatives practice architecture. Amrize offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Amrize accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Amrize representative is authorized to vary this disclaimer.