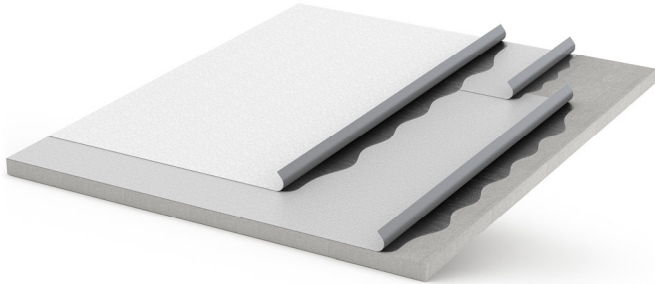


Submittal Sheet

**APP Cool System
Lightweight Concrete 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
- GenFlex Mechanically Attached Base Sheet
 - If required see deck requirements below.
- Lightweight Concrete Over Appropriate Substrate

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 2" Lightweight Concrete over 22 Gauge Steel Pan
 Minimum 2" Lightweight Concrete over Structural Concrete
 Minimum 2" Lightweight Concrete over Base Sheet Attachment

Base Sheet Fasteners (if required):

- GenFlex 1.7" LWC Base Ply Fasteners (Base Sheet Attachment Only)
 GenFlex 2-Piece Impact Nail Fasteners (Base Sheet Attachment Only)

Insulation Fasteners and Plates (Appropriate fastener based on deck type):

- GenFast #15 Fasteners and Insulation Plates (Steel Pan)
 GenFast CD-10 Concrete Fasteners and Insulation Plates (Structural Concrete)

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: | 20 Year Warranty: |
| <input type="checkbox"/> Bead Spacing: F: 12", P: 12", C: 12" | <input type="checkbox"/> Bead Spacing: F: 12", P: 6", C: 6" |
| | <input type="checkbox"/> 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"	<input type="checkbox"/> 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"	<input type="checkbox"/> DensDeck Prime StormX™ Roof Board NOTE: Required when torch or hot applying base sheet	8
<input type="checkbox"/> 1/4"	<input type="checkbox"/> 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"	<input type="checkbox"/> 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"	<input type="checkbox"/> 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"	<input type="checkbox"/> DEXcell FA VSH™ Glass Mat Roof Board NOTE: Required when torch or hot applying base sheet	8
<input type="checkbox"/> 1/2"	<input type="checkbox"/> Structodek® High Density Wood Fiber Board	16

Assembly Options – Warranty Terms				
Warranty (Years)	Attached Base Sheet	Fully Adhered Cool Base Sheet	Fully Adhered Cool Cap Sheet	Flashings (Apply in MB Multi-Purpose Flashing Cement)
5 – 10	<input type="checkbox"/> Channel Venting Base NOTE: Attached using Elevate 1.7" (43 mm) LWC Base-Ply Fastener or Two-Piece Impact Nail	Choose from below if desired.	<input type="checkbox"/> APP 180 Cool <input type="checkbox"/> APP 180 FR Cool	<input type="checkbox"/> One ply of fully adhered APP granule-surfaced Cool cap sheet
		<input type="checkbox"/> APP Premium Base <input type="checkbox"/> APP 160 Cool <input type="checkbox"/> APP 170 Cool <input type="checkbox"/> BASEGARD™ SA Base 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 180 Cool (UltraWhite) <input type="checkbox"/> APP 180 FR Cool (UltraWhite)	Two Plies, Consisting of: <input type="checkbox"/> One ply of adhered <u>25-year eligible</u> APP Cool base sheet, AND <input type="checkbox"/> One ply of adhered APP UltraWhite cap sheet, OR <input type="checkbox"/> UltraFlash™ One-Part Liquid Flashing

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
15 – 20	<input type="checkbox"/> APP 160 Cool		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
NOTE: 1. Only GenFlex brand products are covered in a Roofing System Warranty. 2. 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. 3. It is the installing contractor's responsibility to follow all applicable building codes. 4. Contact GenFlex Technical Services for full warranty requirements. 5. 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. 6. Thermal barrier required when using Vapor Shield over a Steel Deck on FM Insured or FM Specified projects. 7. #12 Fasteners are approved for use on Wood Decks. Steel Deck applications are limited to 15-year warranty coverage. 8. Membrane may not be adhered directly to HD ISO or CG ISO with Hot Asphalt. 9. It is not recommended to encapsulate DensDeck in hot asphalt. When mopping to DensDeck, the MAXIMUM hot asphalt temperature is 450 °F (232 °C). 10. Wood walls require a mechanically fastened Base Sheet beneath the flashing assembly.			

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