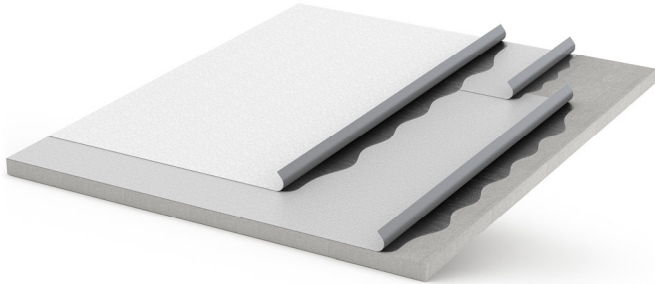


# Submittal Sheet

## APP Cool System 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
- Cover Board (Optional) – Mechanically Attached or Adhered
- Insulation (Required) – Mechanically Attached or Adhered
- Asphalt Primer (ASTM D 41)
- Concrete 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 Barrier<sup>6</sup>       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 2,500 psi (17.2 MPa) Structural Concrete, min. 3" (76 mm) thick

### Insulation Fasteners and 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 <b>NOTE:</b> 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 <b>NOTE:</b> 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 <b>NOTE:</b> Required when torch or hot applying base sheet	8
<input type="checkbox"/> 1/4"	<input type="checkbox"/> DEXcell® Glass Mat Roof Board <b>NOTE:</b> 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 <b>NOTE:</b> 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 <b>NOTE:</b> 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 <b>NOTE:</b> 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)	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		<b>Two Plies, Consisting of:</b> <input type="checkbox"/> One ply of adhered APP Cool base sheet, <b>AND</b> <input type="checkbox"/> One ply of adhered APP granule-surfaced Cool cap sheet, <b>OR</b> <input type="checkbox"/> UltraFlash™ One-Part Liquid Flashing
<b>NOTE:</b>			
<ol style="list-style-type: none"> <li>Only GenFlex brand products are covered in a Roofing System Warranty.</li> <li>Refer to the GenFlex Technical Database at <a href="http://www.genflex.com">www.genflex.com</a> for additional information regarding appropriate roof systems and roof system warranty requirements. Review appropriate details and installation requirements based on warranty term requested.</li> <li>It is the installing contractor's responsibility to follow all applicable building codes.</li> <li>Contact GenFlex Technical Services for full warranty requirements.</li> <li>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.</li> <li>Thermal barrier required when using Vapor Shield over a Steel Deck on FM Insured or FM Specified projects.</li> <li>#12 Fasteners are approved for use on Wood Decks. Steel Deck applications are limited to 15-year warranty coverage.</li> <li>Membrane may not be adhered directly to HD ISO or CG ISO with Hot Asphalt.</li> <li>It is not recommended to encapsulate DensDeck in hot asphalt. When mopping to DensDeck, the MAXIMUM hot asphalt temperature is 450 °F (232 °C).</li> <li>Wood walls require a mechanically fastened Base Sheet beneath the flashing assembly.</li> </ol>			

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.