

# Submittal Sheet

<b>SBS Cool Applied System Concrete Deck</b>	<b>Roofing System Limited Warranty: Up to 20 Years, 55 mph</b>
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- GenFlex™ Granule-Surfaced SBS Cap Sheet
- GenFlex SBS 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:**      **20 Year Warranty:**  
 Bead Spacing: F: 12", P: 12", C: 12"       Bead Spacing: F: 12", P: 6", C: 6"       Full Coverage

**Membrane Attachment:**  
 Fully Heat-Welded       GenFlex MB Multi-Purpose Cold Adhesive       Hybrid

**Surfacing:**  SBS 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"/> One ply of fully adhered SBS granule-surfaced cap sheet
15 – 20	<input type="checkbox"/> SBS Base <input type="checkbox"/> SBS Smooth	<input type="checkbox"/> SBS Cap <input type="checkbox"/> SBS FR <input type="checkbox"/> SBS Premium FR	<b>Two Plies, Consisting of:</b> <input type="checkbox"/> One ply of adhered SBS base sheet, <b>AND</b> <input type="checkbox"/> One ply of adhered SBS granule-surfaced 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>			

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