Senergy Surfacing Systems for the tekR Panelized Building System

Weather resistant surfacing system using a mesh-reinforced base coat and 100% acrylic polymer exterior finish

System Overview
Senergy Surfacing Systems for the tekR

DESCRIPTION
Senergy Surfacing Systems for the tekR Panelized Building System provide a desirable stucco look and aesthetic appeal. Senergy Surfacing Systems are comprised of reinforced base coat, optional primer and a 100% acrylic polymer finish.

Senergy architectural coatings and finishes have passed rigorous tests for resistance against abrasion, fading, chalking, cracking and peeling.

Finishes are available in a limitless color selection and offer performance enhancement options, including increased resistance to dirt pick-up and mildew.

Senergy Surfacing Systems feature exceptional durability and low maintenance.

USES
For exterior walls in residential, commercial and institutional construction when a weather resistant, low maintenance “Stucco Look” wall finish is desired.

LIMITATIONS
Use high impact mesh for ground floor applications in high traffic areas. Consult tekR for design and application considerations.

DIRECTIONS
General: Repair any dings, dents, and damaged form areas with the appropriate NEOPOR GPS PLUS Rigid Insulation Board expanded polystyrene insulation prior to the application of the Surfacing Systems. Do not fill damaged areas with Base Coat or cementitious products.

Do not apply the Surfacing Systems directly to dimensional framing lumber/blocking which might occur at window and door bucks, etc. Terminate the Surfacing Systems a minimum of 8” above grade. Surfacing Systems shall not serve as the foundation damp-proofing. Comply with current SENERFLEX® Wall System specifications and details except as noted herein.

Adhesion Evaluation:
If additional insulation board is required, evaluate adhesion prior to start of project as follows:
A. Prepare surface as per applicable General (I) and Application (III) sections of current Senergy specifications.
B. Using the appropriate Senergy cementitious Base Coat/Adhesive, apply a 3/4” thick x 3” x 3” sample of expanded polystyrene insulation board on representative area(s) of panels.
C. Allow the sample(s) to cure for a minimum of three (3) days prior to evaluation.
D. Commercially available tensile test equipment such as the Comten Model 302N (813-823-7806) is available to remove and determine adhesion of the sample to the substrate. Remove the insulation board from the panel and observe failure mode.
E. The failure must occur cohesively within the expanded polystyrene insulation board sample for adhesion to be deemed acceptable.

Application of the Surfacing Systems:
Rasp surface of the forms prior to the application of the Surfacing Systems to remove any skin, ultraviolet damage, residue, as well as planar irregularities greater than 6 mm in 3 m (1/4” in 10’).

SENERFLEX Surfacing Systems application
A. Fill gaps of 1.6 mm (1/16”) or greater between panels with slivers of expanded polystyrene insulation board.
B. Apply the Senergy Base Coat, Reinforcing Mesh, and Finish per Senergy specifications and details.
- OR -
Adhesively fastened insulation board application
A. Using a Senergy cementitious Base Coat/Adhesive, install a minimum layer of 3/4” NEOPOR GPS PLUS Rigid Insulation Board over the tekR panel system per Senergy specifications prior to the application of the Base Coat, Reinforcing Mesh, and Finish Coat.

SYSTEM SPECIFICATIONS
To perform in the expected manner, the system must be applied according to Senergy specifications, using only the listed and approved materials and components.

COMPONENTS
Senergy Surfacing Systems are comprised of Senergy Base Coat, FLEXGUARD Reinforcing Mesh and a textured Finish from Senergy. Optional BASF TINTED PRIMER can enhance appearance and performance.

Special Shapes:
Used to enhance design aesthetics such as moldings, cornices, quoins, ogees, etc.; these can be integrated into the system. They must meet Senergy specifications. They must be reinforced with Senergy Base Coat and Reinforcing Mesh prior to application of the BASF TINTED PRIMER and Senergy Finish.

DESIGN CONSIDERATIONS
Details shall conform with Senergy’s recommendations and shall be consistent with the project requirements.

TECHNICAL INFORMATION
Consult the BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy website, www.senergy.basf.com, for additional information about products and systems and for updated literature.
Senergy Surfacing Systems

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<th>Features</th>
<th>Benefits</th>
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<tr>
<td>Unlimited colors, textures and architectural details</td>
<td>Support design flexibility</td>
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<tr>
<td>100% Acrylic, reinforced base coats</td>
<td>Produce a weather-resistant barrier, provide crack resistance</td>
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<tr>
<td>100% Acrylic finish coats</td>
<td>Resist fading and abrasion, offer options for added dirt/mildew resistance</td>
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tekR Panelized Building System ([www.tekR.com](http://www.tekR.com))

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<td>No wall cavity</td>
<td>Eliminates chance of mold growing in the wall cavity</td>
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<tr>
<td>Rapid Construction</td>
<td>Greatly reduced construction time</td>
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<td>Energy efficient design</td>
<td>High insulation values while preserving standard wall thickness</td>
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**STORAGE**

Store material in a cool, dry place. Avoid direct sunlight. Maintain temperature above 4˚C (40˚F) (10˚C/50˚F for AURORA TC-100, AURORA STONE, and ALUMINA Finishes).

**HEALTH AND SAFETY**

Follow good safety and industrial hygiene practices during handling and installing products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

**Warranty**

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Product Bulletin, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of BASF. In the absence of an extended warranty issued by BASF, any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

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