

Surfacing Systems for the tekR Panelized Building System

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

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.**

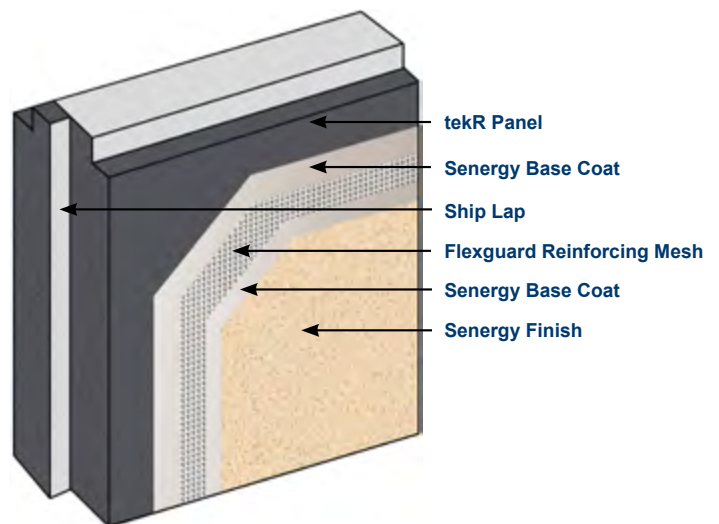
DIRECTIONS

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.

Senergy Surfacing Systems

FEATURES	BENEFITS
Unlimited colors, textures and architectural details	Support design flexibility
100% Acrylic, reinforced base coats	Produce a weather-resistant barrier, provide crack resistance
100% Acrylic finish coats	Resist fading and abrasion, offer options for added dirt/mildew resistance

tekR Panelized Building System (www.tekR.com)

FEATURES	BENEFITS
No wall cavity	Eliminates chance of mold growing in the wall cavity
Rapid Construction	Greatly reduced construction time
Energy efficient design	High insulation values while preserving standard wall thickness

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.

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COMPONENTS

Senergy Surfacing Systems are comprised of Senergy Base Coat, Flexguard Reinforcing Mesh and a textured Finish from Senergy. Optional 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 Tinted Primer and Senergy Finish.

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 Borealis Finishes).

DESIGN CONSIDERATIONS

Details shall conform with Senergy's recommendations and shall be consistent with the project requirements.

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