

October 9, 2018

Mr. F. Corriveau
ADEX SYSTEMS
7911 Avenue Marco Polo
Montreal, QC H1E 1N8

Subject: ADEX -RS CAN/ULC-S134 CONFORMANCE

Dear Mr. Corriveau,

Intertek has recently conducted testing of the ADEX-RS Exterior Insulation and Finish System and can confirm that the EIFS wall assembly satisfied the following performance requirements of CAN/ULC-S134-13 "Standard Method of Fire Test of Exterior Wall Assemblies":

- The flaming on or in the wall assembly did not spread more than 5m above the opening.
- The heat flux during the flame exposure on the wall assembly was less than 35 kW/m² measured 3.5m above the opening during the CAN/ULC S-134-13 test procedure.

The ADEX-RS EIFS wall assembly, including a maximum thickness of 152.4 mm of expanded polystyrene insulation (nominal density of 16 kg/m³ or 1 pcf), satisfied the criteria of the 2015 National Building Code of Canada, Division B, Article 3.1.5.5 (1).

The Intertek testing results confirming conformance to CAN/ULC S-134-13 are detailed in report 1036055356SAT-002 R1 dated 09/27/18.

If you have any questions regarding this letter report, please do not hesitate to contact the undersigned.

Sincerely,

INTERTEK TESTING SERVICES NA, INC.

Reported by:



Joe DeRose, P. Eng.
Project Engineer, Evaluation Services

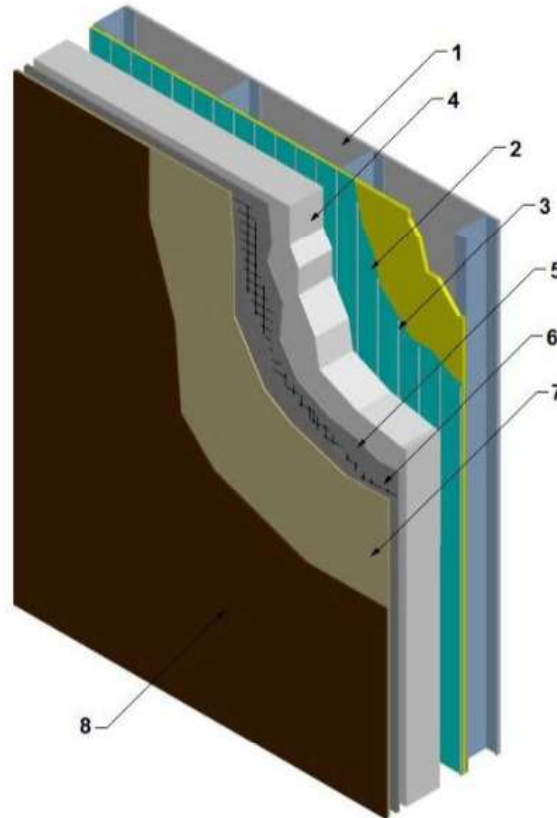


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Adex Systems Inc.
Design No. ASI/WDEIFS 25-01
Exterior Wall Systems & Exterior Insulation and Finish Systems (EIFS)
Adex-RS Systems
CAN/ULC S134

Meets the Requirements of Article 3.1.5.5 of the National Building Code of Canada, 2015



1. WALL ASSEMBLY: Construct a wall assembly that complies with the National Building Code of Canada or other applicable regulatory requirements as established by the local Authority Having Jurisdiction. The wall assembly may include the use of wood-framing.

1A. JOINT TREATMENT: Treat the wall assembly (Item 1) exterior joints with Adex Uni-tape

mesh or manufacturer approved 2 oz. min. mesh, applied along the sheathing joints.

2. CERTIFIED MANUFACTURER: Adex Systems Inc.

CERTIFIED PRODUCT: Water Resistive Barrier

CERTIFIED MODEL: Apply one of the following membrane systems, in accordance with manufacturer's instructions, to the exterior side of the wall assembly:



- A. HYDROFLEX – STD acrylic-based air/moisture barrier mixed with Portland cement or,
- B. HYDROFLEX – VB ready to use rubber-based air/moisture barrier or,
- C. HYDROFLEX – WO-T and WO-R ready to use rubber-based air/moisture barrier or,
- D. HYDROFLEX – Guard acrylic-based air/moisture barrier mixed with Portland cement or,
- E. HYDROFLEX – AD ready to use air/moisture barrier for residential applications or,
- F. HYDROFLEX – WO-J ready to use rubber-based air/moisture barrier joint and opening treatment or,
- G. HYDROFLEX – A-Flex Seal ready to use rubber-based air/moisture barrier joint and opening treatment.

3. CERTIFIED MANUFACTURER: Adex Systems Inc.

CERTIFIED PRODUCT: Adex Adhesive/Basecoat

CERTIFIED MODEL: Apply one of the following adhesives:

- A. Adex Basecoat Adhesive is an acrylic polymer-based compound, mixed with Portland cement Type GU in a 1:1 ratio by weight.
- B. Adex Drymix Basecoat is one-component, acrylic polymer modified, cement-based powder.

Apply the Adex Adhesive as vertical ribbons onto the approved membrane on the wall

using a 3/8 in. x 1/2 in. x 1-1/2 in. U-notched trowel and place the insulation boards horizontally.

4. INSULATION BOARD: Use one of the following insulation boards:

- A. Max. 152mm (6 in.) thick expanded polystyrene (EPS) Adex-GD or Adex-Flat insulation board manufactured under a quality assurance program and conforming to CAN/ULC S701, Type 1, with nominal density of 16 kg/m³ (1.0 pcf) or,
- B. Max. 102mm (4 in.) thick EPS Adex-GD or Adex-Flat insulation board manufactured under a quality assurance program and conforming to CAN/ULC S701, Type 2, with nominal density 24 kg/m³ (1.5 pcf) or,
- C. Max. 152mm (6 in.) thick graphite-enhanced expanded polystyrene (GPS) Adex-GD or Adex-Flat insulation board manufactured under a quality assurance program and conforming to CAN/ULC S701, Type 1, with nominal density 16 kg/m³ (1.0 pcf). Secure the board while the adhesive is curing with four ADEXLOC permanent mechanical fasteners per 610mm x 1220mm (24 in. x 48 in.) boards. Placement of mechanical fasteners is to be at 100mm (4 in.) from the top or bottom and at a max. distance of 200mm (8 in.) from the vertical sides of the boards. Fastener position can be adjusted to accommodate stud locations or the substrate (concrete/masonry) or,
- D. Max. 102mm (4 in.) thick GPS Adex-GD or Adex-Flat insulation board manufactured under a quality assurance program and conforming to CAN/ULC S701, Type 2, with nominal density 24 kg/m³ (1.5 pcf). Secure



the board while the adhesive is curing with four ADEXLOC permanent mechanical fasteners per 610mm x 1220mm (24 in. x 48 in.) boards. Placement of mechanical fasteners is to be at 100mm (4 in.) from the top or bottom and at a max. distance of 200mm (8 in.) from the vertical sides of the boards. Fastener position can be adjusted to accommodate stud locations or the substrate (concrete/masonry) or,

- E. Max. 97.5mm (3.8 in.) thick extruded polystyrene (XPS) compliant with CAN/ULC S701, Type 3. The nominal density of the XPS is 25 kg/m³ (1.55 pcf). The board faces receiving adhesive or basecoat must be sanded. The insulation may be flat board or geometrically defined drainage cavity board.

5. CERTIFIED MANUFACTURER: Adex Systems Inc.

CERTIFIED PRODUCT: Adex Basecoat/Adhesive

CERTIFIED MODEL: Apply one of the following basecoats:

- A. Adex Basecoat Adhesive is an acrylic polymer-based compound, mixed with Portland cement Type GU in a 1:1 ratio by weight.
- B. Adex Drymix Basecoat is one-component, acrylic polymer modified, cement-based powder.

Apply the Adex Basecoat to the exterior side of the insulation board. Adex Basecoat is trowel-applied to the complete surface. A reinforcing mesh (Item 6) is embedded into the basecoat. Ensure that the mesh is completely embedded. The final thickness of the basecoat is min. 1.6mm (1/16 in.).

6. CERTIFIED MANUFACTURER: Adex Systems Inc.

CERTIFIED PRODUCT: Adex Standard Mesh

CERTIFIED MODEL: Reinforcing Mesh

Apply Adex Standard Mesh (min. 4.5 oz.) with the edges overlapped 64mm (2-1/2 in.) min. for EPS thicknesses up to 114.3mm (4-1/2 in.), or overlapped 101.6mm (4 in.) for EPS thicknesses above 114.3mm (4-1/2 in.), and completely embed into the basecoat (Item 5). Edges of insulation boards that meet dissimilar substrates, terminations, wall openings, etc., shall be back-wrapped, pre-wrapped, or edge-wrapped, according to manufacturer's specifications. For higher impact resistance, heavier mesh grades can be used (above 4.5 oz.) according to Adex Systems' specifications.

7. CERTIFIED MANUFACTURER: Adex Systems Inc.

CERTIFIED PRODUCT: Adex Primer (Optional)

CERTIFIED MODEL: Apply Adex Primex liquid coat as a priming agent for Adex finish coats.

8. CERTIFIED MANUFACTURER: Adex Systems Inc.

CERTIFIED PRODUCT: Adex Finish Coat

CERTIFIED MODEL: Trowel-apply the Adex Finish Coat over the dried-primer (Item 7) in accordance with Adex's installation guidelines for the specific finish.

9. PROTECTIVE COATING (Optional, Not Shown):

CERTIFIED MANUFACTURER: Adex Systems Inc.

CERTIFIED MODEL: Adex GraphexCoat A and Adex GraphexCoat B



Adex GraphexCoat is a two-part acrylic polymer-based compound, mixed with Portland cement.

Apply the Adex GraphexCoat A with a thickness of approximately 2.5mm (3/32 in.) over Adex Basecoat (Item 5) and the reinforcing mesh (Item 6). Once dry, apply Adex GraphexCoat B over Adex GraphexCoat A with a thickness of 1.6mm (1/16 in.). Once dry, Adex Primer (Item

7) and Adex Finish Coat (Item 8) can then applied.

10. ADDITIONAL COMPONENTS:

- A. PVC STARTER TRACKS – Starter drainage strips installed horizontally.
- B. MECHANICAL FASTENERS – According to the manufacturer's specifications.