



FWFOC.EW23 Exterior Wall Insulation and Finish System

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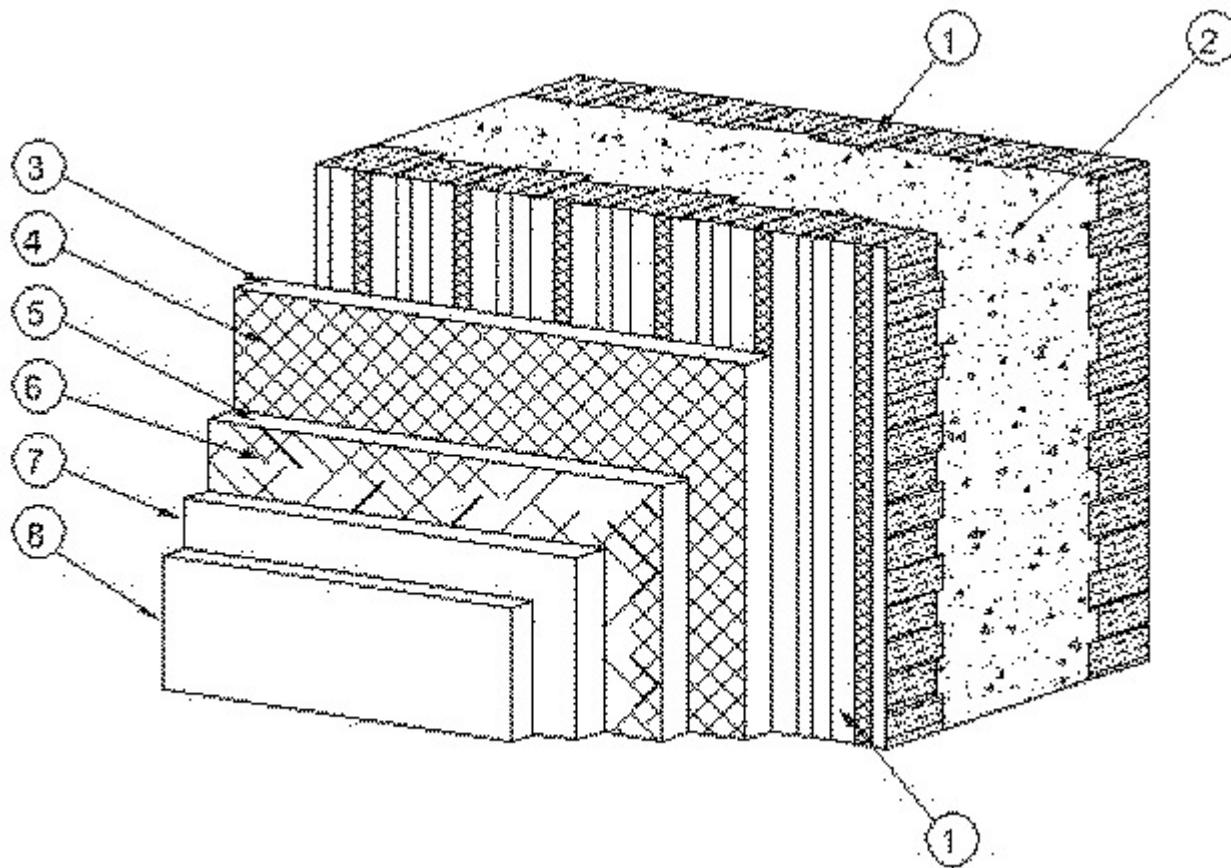
Exterior Wall Insulation and Finish System

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System No. EW23

December 07, 2005

EXTERIOR WALL INSULATION AND FINISH SYSTEM



FIRE SIDE

- **1. Insulated Concrete Forms** — CDELC (Guide No. 40 U18.45) Standard form units comprised of two 2440 by 457 mm by 67 mm thick expanded polystyrene (EPS) panels linked by polypropylene webs at 200 mm OC horizontally. The minimum width of the ICF cavity is 152 mm.

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- 2. **Sand-Limestone Concrete** — Minimum 152 mm thick normal-density concrete ($2300 \pm 50 \text{ kg/m}^3$), 20 MPa nominal compressive strength.

- **3. Component for Exterior Wall Insulation and Finish System** — FWFXC (Guide No. 40 U23.5.3). A first layer of base coat is applied to the bottom 450 mm of the wall at a minimum wet application rate of 10.5 kg/m^2 . The base coat consists of a mixture of 4 parts by weight of "Durex Uniplast" powder to 1.0 part by weight of "Durex Acrybond S" liquid.

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- 4. **Fibreglass Mesh** — A 450 mm wide layer of fibreglass mesh reinforcement with an area density of 0.50 kg/m^2 is installed horizontally and trowelled into the top surface of the first layer of base coat (Item 3).

- **5. Component for Exterior Wall Insulation and Finish System** — FWFXC (Guide No. 40 U23.5.3). A second layer of base coat is applied to the entire wall surface at a minimum wet application rate of 4.73 kg/m^2 . The base coat consists of a mixture of 4 parts by weight of "Durex Uniplast" powder to 1.0 part by weight of "Durex Acrybond S" liquid.

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- 6. **Fibreglass Mesh** — A layer of fibreglass mesh reinforcement with an area density of 0.20 kg/m^2 is installed vertically with 100 mm overlap between strips. The mesh is to be trowelled into the top surface of the second layer of base coat (Item 5).

- **7. Component for Exterior Wall Insulation and Finish System** — FWFXC (Guide No. 40 U23.5.3). A third layer of base coat is applied over the entire wall surface at a minimum wet application rate of 3.37 kg/m^2 . The base coat consists of a mixture of 4 parts by weight of "Durex Uniplast" powder to 1.0 part by weight of "Durex Acrybond S" liquid.

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- **8. Component for Exterior Wall Insulation and Finish System** — FWFXC (Guide No. 40 U23.5.3). One layer of premixed "Durex Architectural Coating"

applied at a minimum wet application rate of 2.05 kg/m² over base coat.

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