

FWFOC.EW10 Exterior Wall Insulation and Finish Systems

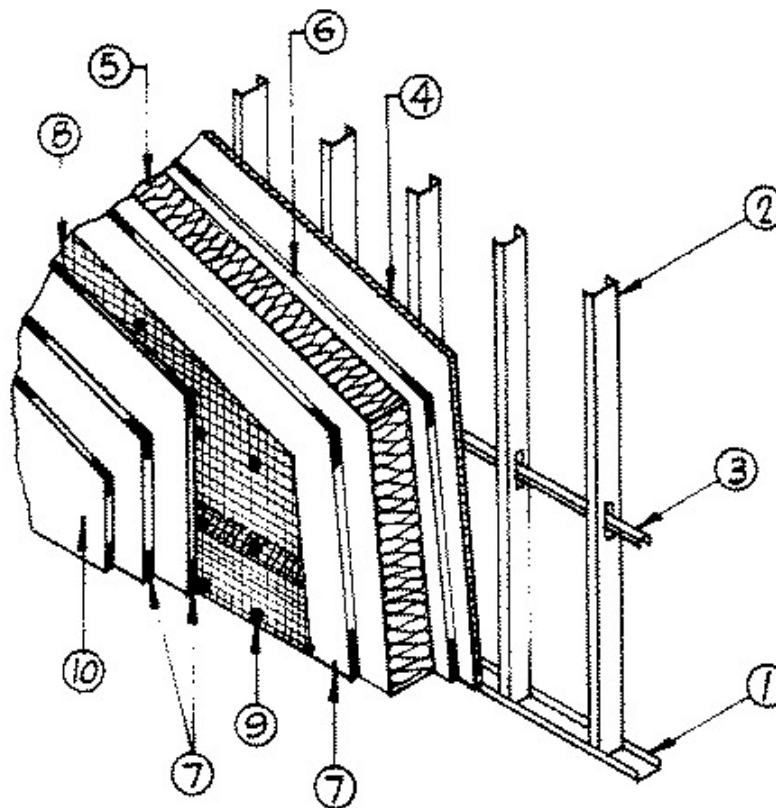
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Exterior Wall Insulation and Finish Systems

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System No. EW10

May 02, 2006



1. **Floor and Ceiling Tracks** — Galvanized steel channels 1.05 mm thick by 95 mm deep with 34 mm wide flanges attached to masonry or concrete with fasteners spaced at 800 mm OC.

2. **Steel Studs** — Galvanized steel channels 1.13 mm thick by 92 mm deep with 40 mm wide flanges; the flanges have 6 mm wide lips. The studs are fastened to the floor and ceiling tracks at 400 mm OC with self-tapping steel screws. The studs have 38 mm wide cutouts at 900 mm OC along the web of the channels.

3. **Bracing** — Galvanized steel channels 1.67 mm thick by 38 mm deep with 11 mm wide flanges inserted through the stud cutouts at 900 mm OC. The bracing is attached to the studs with clip angles and self-tapping steel screws.

4. **Wallboard** — (Guide No. 40 U18.23) CKNXC. " Type DGG, DensGlass Gold Sheathing" boards, 15.9 mm thick, installed vertically with board joints on wall studs. The boards are fastened to the studs with 41 mm long Type S drywall screws spaced at 200 - OC along the edges of the boards (studs and tracks) and 300 mm OC in the field of the boards (studs). The joints between boards to be filled with joint compound and a layer of joint tape is embedded in the joint

compound; a second layer of joint compound to be applied on top of the joint tape.

GEORGIA-PACIFIC GYPSUM L L C

5. **Rigid Roof Insulation** — Rigid Polystyrene insulation boards, 50 mm thick, installed horizontally in staggered rows.

▪ 6. **Component for Exterior Wall Insulation and Finish System** — FWFXC (Guide No. 40 U23.5.3). One layer of adhesive coating applied at a minimum rate of 3.9 kg/m² (wet), consisting of a mixture of 2.80 parts by weight of "Durex Uniplast" powder to 1.00 part by weight of "Durex Acrybond S" liquid.

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▪ 7. **Component for Exterior Wall Insulation and Finish System** — FWFXC (Guide No. 40 U23.5.3). Intermediate coating applied in three layers and consisting of a mixture of 2.80 parts by weight of "Durex Uniplast" powder to 1.00 part by weight of "Durex Acrybond S" liquid. The first layer is applied directly on top of the wall insulation (Item 5) at a minimum rate of 4.1 kg/m² (wet); the second layer is applied on top of the first layer after the first layer has cured at a minimum rate of 7.47 kg/m² (wet); and the third layer is applied on top of the second layer after the second layer has cured at a minimum rate of 1.67 kg/m² (wet).

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8. **Fiberglass Mesh** — A layer of fibreglass mesh with a minimum area density of 0.36 kg/m² applied in horizontal strips with a 150 mm overlap between strips. The mesh is trowelled into the first layer of the intermediate coating (Item 7).

9. **Mechanical Fasteners** — A mechanical fastener system consisting of a 4 mm diameter by 110 mm long steel screw and a 51 mm diameter by 0.4 mm thick steel disk. The steel disk is applied on top of the fibreglass mesh (Item 8) and the screws are driven through all the materials on the exterior side of the wall into every third stud; the fasteners are spaced at 305 mm along the studs.

▪ 10. **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 maximum rate of 2.3 kg/m² (wet).

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