



PolycreteUSA

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STATEMENT ON NFPA 285 COMPLIANCE

Polycrete Big Block 1600 insulated concrete forms meet the requirements of [ASTM E 2634](#) *Standard Specification for Flat Wall Insulating Concrete Forming Systems*.

Polycrete Big Block 1600 ICFs are made with EPS insulation that complies with ASTM C 578 *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation* as Type II with a nominal density of 1.5 lb/cf. The EPS foam plastic has a flame spread index of 25 or less and a maximum smoke developed index of 450 when tested in accordance with ASTM E84 *Standard Test Method for Surface Burning Characteristics of Building Materials*. Here's a link to the [Intertek Compliance report](#).

Intertek Testing Service (the international materials testing service that performed all of Polycrete's ICC compliance testing) confirms that since Polycrete's foam plastic insulation is compliant with ASTM C578 and ASTM E84 it is considered a standard product for the purposes of NFPA 285 testing.

If the assembly you are designing includes a WRB or an exterior cladding other than clay brick, the cladding system and/or the WRB is likely the component that will trigger an NFPA 285 test. You may also see in the cladding system's ICC-ES report a statement that the cladding system can be used in non-combustible construction under specified conditions, one of which will be that the foam insulation must be ASTM C578 compliant.

For instance: "StoPowerwall NExT System" [ICC-ESR 2323](#) requires that the system, when used in non-combustible construction, use an EPS that complies with ASTM E 84 and ASTM C 578. Polycrete Big Block's EPS foam complies with both testing protocols, it therefore complies with NFPA 285 when used with the StoPowerwall NExT System".

A concrete wall with ASTM C 578 compliant EPS insulation and clay brick veneer is generally accepted as satisfying NFPA 285.