

Class A

April 2018

Issue 5

Spectis' polyurethane Class A (Class 1) fire rated water-blown, high density rigid foam system developed for architectural molded parts and panels.

It is ideally suited for both exterior and interior architectural parts. This all-liquid system carries Underwriters Laboratories UL 723 (ASTM E-84) listing and meets Class A (Class 1) requirements for both residential and commercial building codes. The target in-place density is 14 pcf.

Typical PHYSICAL Foam Characteristics

Molded Core Density	
ASTM D1622	14 pcf
Compressive Strength	
ASTM D1621	310 psi
Flexural Strength	
ASTM D790	700 psi
Shore D Hardness	
ASTM D2240	37



Columns, caps, bases, railings, balustras and moulding

GFRG

Glass Fiber Reinforced Gypsum is primarily composed of two raw materials: high density alpha-based gypsum and glass fiber reinforcement. GFRG can be used wherever a light, strong, and non combustible material is required (casinos, hotels, theaters, residential, etc.) GFRG is a mineral and will not burn. In addition, the nature of gypsum acts like a thermal regulator when exposed to flame.

Easy Installation—GFRG is relatively light in weight compared to traditional stone or plaster ornaments. Installation is quick and relatively easy.
Selection—GFRG can be cast to virtually any shape.
Finish -GFRG is easily finished with virtually any paint.



GFRC

Glass-fiber-reinforced concrete is a lightweight alternative to cast stone combining cement, sand, and glass fibers in place of coarse aggregate, resulting in a product that's only about a third the weight of conventional precast concrete.

GFRC is great for the installer; It's lighter, easier to cut, and less susceptible to chipping and breaking. GFRC can also be used for structural elements, and no rebar is needed because its compressive strength is more than twice that of regular concrete.

In addition to being easier to work with, GFRG can be cast into ornate shapes with a high degree of detail. GFRG can mimic the look of terra cotta, carved stone, and even cast-iron building elements.



Custom GFRG Medallion
This photo illustrates the use of a large Spectis custom GFRG medallion which measures 23' in diameter used in the McPhillips Street Station Casino.

Typical architectural applications for either GFRG or GFRC include: Spandrels, Column Covers, Cornices, Brackets, Quoins, Railings, Pilasters, Mouldings, Light Coves, Domes, Capitals, Fireplace Surrounds, Medallions, or any other custom shapes.

Follow us on Facebook, Instagram and YouTube for pictures, information and projects.

