

Panel Description

Thinshell Precast is a composite panel system that is typically designed with a 2 1/4" thick concrete skin that is attached to a structural frame. The overall thickness is a minimum of 7 1/2". This light-weight panel system that averages 35 pounds per square foot can be cast with a wide range of colors and textures. Custom form liners can be made to simulate other building materials such as wood, stone, or brick. After the concrete is placed and consolidated, the structural frame is then placed into the form. The frame is typically made from 4" deep tube steel. Galvanized L or T-shaped pins are welded to the structural frame and a welded wire fabric is attached to the end of the pins. Once the frame is secured in place the back pour is then placed over the steel mesh and then troweled to ensure complete coverage of the embedded wire fabric. The following morning each panel is stripped from its form and receives its approved sandblast finish. Contact Willis Construction to discuss your projects specific design.

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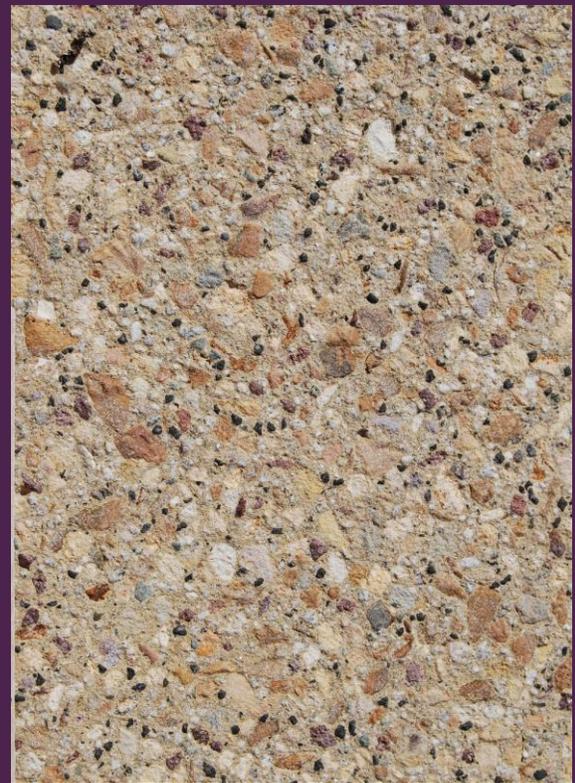
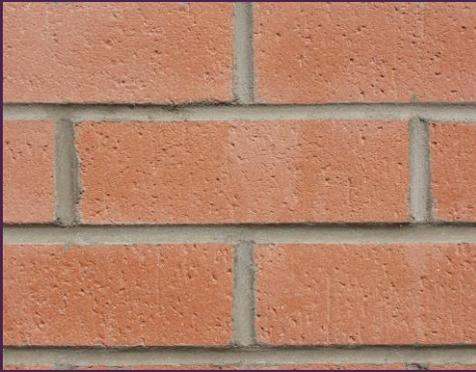
Providing Innovative Solutions to Creative Pre-cast Designs

Thinshell Precast

Architectural Design Options

Thinshell Precast Panels are limited to flat wall type surfaces. In some cases small bullnose projections and minimal panel returns can be used but add more weight and cost to this system. Reveals are limited to 1/2 " deep maximum. Thinshell Precast mix designs come in a wide range of colors and textures. There are no standard colors. All of our mix designs are custom made to the designer's choice of color and sandblasted finish. Light sandblast finishes leave the matrix color in place and the surface fairly smooth. A heavy sandblast finish will expose the aggregate in the mix to create a completely different look. Utilizing Light and Heavy sandblasted finishes in the same panel, or project, is a common design option. Custom Form liners can also make the surface of Thinshell simulate other natural materials such as Brick, Wood, or Stone. Thinshell Precast provides all of the aesthetic design options of Architectural Precast at almost half the weight.

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