



TECHNICAL SUMMARY

ARCHITECTURAL CONCRETE

FormEffects is a full-service architectural precast panel and cladding firm that creates innovative design solutions from one of the world's most flexible, beautiful, and sustainable materials. With a commitment to research, along with a methodical collaboration with renowned architects, designers, and clients, FormEffects brings unique and creative visions to life. After years of research and development, FormEffects and our parent brand, Concreteworks East, have become one of the nation's premier precast fabricators of GFRC (Glass Fiber Reinforced Concrete). This advanced concrete matrix produces stronger, thinner and lighter architectural elements, allowing designers to further explore the limits and possibilities of precast concrete.

COLORS

FormEffects offers 5 standard precast colors as well as custom color development services. With over a decade of developing precast colors in house and for clients through our parent brand ,Concreteworks East, we can create a custom color specifically for your project.

COLOR VARIATION

Concrete is a natural material and is subject to small amounts of color variation from component to component. Changes in raw material can also occur over time so new control samples should be requested prior to the start of any new project.

PRODUCT DATA

Weight (at 3/4" thick)	8 lbs per ft ²	Compressive Strength	6,500 psi
Density	130 lbs per ft ³	Flexural (Ultimate Strength)	1,850 psi
Minimum Thickness	5/8" - 3/4"	Flexural (Yield Strength)	1,390 psi
Slip Coefficient	0.86 Dry / 0.70 Wet	Flame Spread	0 (Class A)
TOLERANCES			
Length	+/- 1/8" per 6ft	Thickness	+/- 1/8"
Bowing	< Length/240	Warpage	1/16" per ft.
KEIL ANCHORS			
Fracture Load	3.27 KN	Panel Thickness	1 in
Coefficient of Variation	6.45%	Insertion Depth	15 mm

PANEL SIZES

FormEffects fabricates our precast concrete panels in standardized sizes, typically not exceeding 30" x 50", to make fabrication and shipping costs effective for everyone. Custom sizes are available though and maximum component dimensions will vary by project.

SEAMING

All panels are recommended to be seamed with 1/8" wide joints. Our products are handcrafted, therefore a variance in joint width should be expected. Joints can be filled with a siliconized caulk, such as Laticrete Latasil or TEC Accucolor, which are available in a wide variety of colors.

SEALANT

All of FormEffects precast products are shipped from our facility fully sealed on all finished surfaces. The choice of sealer will be tailored to the specific project depending on the desired concrete finish and product application in order to provide the best protection possible. Product data of the specific sealer will be provided along with a Care & Maintenance guide as each sealer has unique properties and we recommend using the same sealer for any re-sealing applications.