

## TECHNICAL SUMMARY

### ARCHITECTURAL CONCRETE

Concreteworks East is a full-service custom architectural precast 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, Concreteworks East brings unique and creative visions to life. After years of research and development, Concreteworks East has 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

Concreteworks East offers 12 standard precast colors as well as custom color development services. With over a decade of developing precast colors in house and for clients, Concreteworks East 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

<b>Weight</b> (at 1" thick)	9 lbs per ft <sup>2</sup>	<b>Compressive Strength</b>	6,500 psi
<b>Density</b>	108 lbs per ft <sup>3</sup>	<b>Flexural</b> (Ultimate Strength)	1,750 psi
<b>Minimum Thickness</b>	¾"	<b>Flexural</b> (Yield Strength)	1,390 psi
<b>Slip Coefficient</b>	0.86 Dry / 0.70 Wet	<b>Flame Spread</b>	0 (Class A)
<b>TOLERANCES</b>			
<b>Length</b>	+/- ⅛" per 6ft	<b>Thickness</b>	+/- ⅛"
<b>Bowing</b>	< Length/240	<b>Warpage</b>	1/16" per ft.
<b>KEIL ANCHORS</b>			
<b>Fracture Load</b>	3.27 KN	<b>Panel Thickness</b>	1 in
<b>Coefficient of Variation</b>	6.45%	<b>Insertion Depth</b>	15 mm

### PANEL SIZES

Concreteworks East custom fabricates every precast component to its desired size as determined by a shop drawing approval. Any component with a dimension longer than 8 feet in length is considered oversized by Concreteworks East. Maximum component dimensions will vary by project.

### SEAMING

All precast components are recommended to be seamed with ⅛" 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 Concreteworks East's 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.