

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

15211 97th Road N
West Palm Beach, FL 33412
Ph/Fx: (561) 225-1982

PRODUCT EVALUATION

PRODUCT: TAKTL A/UHPC SERIES CONCRETE PANEL SYSTEM

MANUFACTURER: TAKTL LLC
230 BRADDOCK AVE
KEYSTONE COMMONS PORTAL 9
TURTLE CREEK, PA

To all concerned,

The TAKTL A/UHPC Series Concrete Panel System, manufactured by TAKTL LLC, is a system of architectural ultra high performance concrete panels supported by aluminum rails. The system has been tested per TAS 202 (structural only) by Intertek B&C with results shown in test report K6908.01-501-18.

Technical Documentation:

1. Drawing "A/UHCP-NI" dated 2/8/20, signed and sealed by Scott Wolters, PE.
2. Test Report listed above by Intertek B&C, signed & sealed by Vinu Abraham PE.
3. Supplemental Calculations to support "A/UHCP-NI" drawing, signed and sealed by Scott Wolters, PE.

I have reviewed this submittal per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). Based on the limitations listed below and those provided in the documents above, this product meets all the requirements of the 6th Edition (2017) Florida Building Code generally, and chapters 14,16, and 19 specifically, for use outside of the HVHZ.

Limitations: The A/UHPC Panel System is approved for use outside of the HVHZ. It has not been tested for impact resistance, and in windborne debris regions it may only be installed over impact resistant substrates meeting the requirements of FBC Section 1626..

<u>Overall Dimensions:</u>	Maximum Frame Height:	Unlimited
	Maximum Frame Width:	Unlimited
	Maximum Panel Dimensions:	58 1/2" x 143 1/2" (Panels may be Installed horizontally or vertically)
	Maximum Design Pressure:	+/- 120 psf

Panel Fasteners:

Horizontal Spacing:	6 1/4" from sides, 23" Max. O.C.
Vertical Spacing:	6 1/8" from ends, 18 3/4" Max. O.C.

Maximum Spacing for Vertical T-Rails:	16" O.C.
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Maximum Spacing for Horizontal C-Rails:	18 3/4" O.C.
or Hat Channels:	18 3/4" O.C.

Max. Spacing for Brackets on T-Rails:	8" from ends, 25 5/8" O.C.
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Please see Installation Drawings for more Limits of Use..

Other Limitations:

1. Fire classification is not a part of this evaluation.
2. This system is approved for use as a wall cladding system only. It is not approved for use as part of the main wind force resisting system.

If you have any questions or need more information concerning this approval please contact me.

Thank you,


Scott Wolters
FL PE# 62354
APR 10 2020

