EPOXY 7300

General Purpose Epoxy Adhesive Binder
Non-Sag Injectable Gel

EPOXY 7300 is a multi-purpose, two component, solvent-free, moisture insensitive structural epoxy adhesive. It meets ASTM-C-881. Types I and II, Grade 3, Classes B and C for Epoxy Resin Adhesives.

ADVANTAGES:

- Insensitive to moisture before, during and after cure
- High-modulus, high-strength, structural gel adhesive
- Excellent adhesion to concrete, masonry, metals, wood and most structural materials.
- Gel consistency ideal for vertical and overhead applications.
- Fast-setting and strength-producing adhesive.
- Easy to mix 1:1 ratio between components.

USES:

- Structural bonding of concrete, masonry, metals, wood, etc. to maximum glue line of ½ inch.
- Grouting bolts, dowels, pins, vertical and overhead, etc.
- Seals cracks and around injection ports prior to pressure-injection grouting.
- Interior, exterior, vertical and overhead repair of concrete as an epoxy mortar binder.

COVERAGE:
Bonding Adhesive – 1 gallon yields 231 cu. In. of epoxy gel adhesive.
Epoxy Mortar – 1 gallon of adhesive, when mixed with 1 gallon by loose volume of oven-dried aggregate, yields 346 cu. In. of epoxy mortar.

SHELF LIFE: 2 year in original unopened container.
STORAGE CONDITIONS: Store at 40° - 95° F. Condition material to 65° - 85° F before using.
CONSISTENCY: non-sag gel, approximately 85,000 cps.
POT LIFE: Above 30 minutes
APPEARANCE:
Component A = White
Component B = Gray

HOW TO USE:
Surface Preparation
Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign particles and disintegrated materials.

Preparation Work
Concrete – Sandblast or use other approved mechanical means.
Steel – Sandblast to white metal finish.

Mixing
Pre-mix each component thoroughly. Place 1 part by volume of component A and 1 part by volume of component B into a clean pail. Mix thoroughly for 3 minutes with low-speed drill (400-600 rpm) until uniformly blended.

Mix only the quantity that can be used within its pot life.

To prepare an epoxy mortar, slowly add 1 part by loose volume of an oven-dried aggregate to 1 part of the mixed EPOXY 7300 and mix until uniform in consistency and color.

PHYSICAL PROPERTIES:

ASTM TEST	RESULTS
D-695 Compressive Strength	11,236 psi
D-732 Shear Strength	3,550 psi
D-638 Tensile Strength	2,940 psi
D-790 Flexural Strength	5,582 psi
C-882 Bond Strength	2,460 psi
D-570 Absorption	0.63%
C-883 Shrinkage	Complies
C-884 Thermal Compatibility	Complies

APPLICATIONS:

As a structural adhesive – Apply the neat EPOXY 7300 to the mating or non-mating prepared substrates. Work into the substrate for positive adhesion. Secure the bonded unit firmly into place until the adhesion has cured. Glue line should not exceed 1/8 inch.

To seal cracks for injection grouting – Place the neat mixed material over the cracks to be pressure injected and around each injection port. Allow sufficient time to set before pressure injecting.

To anchor bolts, dowels and pins – Annular space around bolts should not exceed 1/8 inch; depth of embedment is typically 10-15 times the bolt diameter. Grout with neat EPOXY 7300.

For interior vertical and overhead patching – Place the prepared mortar in void, working the material into the prepared substrate, filling the cavity. Strike off level. Lifts should not exceed 1 ½ inch.

CAUTION:

Component A – Irritant - Prolonged contact with skin may cause severe burns. Avoid eye contact.

Component B – Corrosive – Contact with skin may cause severe burns. Avoid eye contact.

Product is strong sensitizer. Use of safety goggles and chemical-resistant gloves recommended. Avoid breathing vapors. Use adequate ventilation. Use of a NIOSH/MSHA organic vapor respirator recommended.

FIRST AID:

Remove any contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes' contact physician immediately. For respiratory problems, move person to fresh air. For skin contact, remove epoxy immediately with a dry cloth or paper towel. Wash area of contact thoroughly with soap and water. Solvents should not be used because they carry the irritant into the skin. Wash clothing prior to re-use. Cured epoxy resins are innocuous.

CLEAN UP:

Collect with absorbent material, flush area with water. Dispose of in accordance with local disposal regulations. Uncured material can be removed with approved solvent. Cured material can only be removed mechanically.

PACKAGING:

55 gallon drums
5 gallon pails
1 gallon cans
Cartridges

LIMITATIONS:

- Minimum surface temperature 40° F.
- Do not thin…Solvents will prevent proper cure.
- Use oven-dried aggregate only.
- Maximum epoxy mortar thickness is 1 ½ inch per lift.
- Material is a vapor barrier after cure.
- Minimum age of concrete must be 21-28 days, depending on curing and drying conditions prior to mortar applications.
- Porous substrates must be tested for moisture-vapor transmission prior to mortar applications.
- Not for sealing cracks under hydrostatic pressure.

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Submittal Cover Page

Webster University

Interdisciplinary Science Building

8274 Big Bend Blvd

Webster Groves, MO 63119

KCI Project #: 16-008

Specification Section: 03 3000 - Cast-In-Place Concrete

Submittal: Waterstops

Subcontractor: Carter-Waters

Paragraph #	Description	Type
2.6 B.	Greenstreak: #773 - Ribbed Flat Waterstop	Product Data: Cut Sheet
	*FOR ALL VERTICAL CONCRETE WALL POUR JOINTS	
	Greenstreak: #667 - Retrofit Waterstop System	Product Data: Cut Sheet
	*FOR CONNECTIONS TO EXISTING CONCRETE JOINTS	
	Greenstreak: 7300 Epoxy	Product Data
	*FOR CONNECTIONS TO EXISTING CONCRETE JOINTS	
2.6 C.	Greenstreak: Swellstop	Product Data
	*FOR ALL HORIZONTAL FOOTING AND CONCRETE WALL POUR JOINTS	
	Greenstreak: Swellstop Primer Adhesive	Product Data
	*FOR ALL HORIZONTAL FOOTING AND CONCRETE WALL POUR JOINTS	
2.6	Greenstreak: Waterstop Catalog	Product Data
	Greenstreak: Data Sheet	Product Data

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

DEVIN D GATES
SUBMITTED BY

033000-013
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

033000
SPECIFICATION SECTION / PARAGRAPH

Sika Greenstreak
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◯ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◉ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

DEVIN D GATES — 042116
REVIEWED BY — DATE

To be completed by Reviewer

03 3000-013
CANNON DESIGN SUBMITTAL NUMBER

4/22/16
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◯ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

SHOP DRAWING / SUBMITTAL REVIEW

- ☒ NO EXCEPTION TAKEN
- ☐ EXCEPTIONS NOTED, RESUBMITTAL NOT REQUIRED
- ☐ REJECTED
- ☐ REVIEWED FOR INFORMATION ONLY
- ☐ REVISE AND RESUBMIT AS NOTED

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for: Dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques of the construction, coordination of his work with that of all other trades and the satisfactory performance of his work.

DAVID MASON & ASSOCIATES, INC.

REVIEW BY: JYW / DMA DATE: 04/22/2016

REVIEWED BY — DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0021

Paric Corporation

PROJECT: Webster University Interdisciplinary Science Building

DATE: 04/21/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Waterstop product data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☐ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other:	☐ Separate Cover Via:	☑ Due Date: 03/07/2016

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		033000-013	1		04/21/2016	Waterstop product data	Open

NOTES:

CC:

Signed: _____

Devin Gates

KCI Construction Company, Inc.
ST. LOUIS: 10315 Lake Bluff Drive | St. Louis, MO 63123
LEBANON: 119 West Fremont | Lebanon, MO 65536

O: 314.894.8888
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www.kciconstruction.com

SUBMITTAL TRANSMITTAL

Date Sent: 04/21/2016

Project: Webster University – Interdisciplinary Science Building

Project #: 16-008

Subject: 03 3000 Cast-In-Place Concrete – Waterstops

Submittal ID: 0004

Type: Submittal

Purpose: For Approval

Sent Via: Email (PDF)

Transmitted To:

Devin Gates
Paric
77 Westport Plaza, Suite 250
St. Louis, MO, 63146
Phone: (636) 561-9592
Email: ddgates@paric.com

Transmitted From:

Kyle Nieman
KCI Construction Company
10315 Lake Bluff Drive
St. Louis, MO 63123
Phone: (314) 200-6486
Email: knieman@kciconstruction.com

Contents:

Qty: 1 Dated: 04/21/2016 Submittal Package No.: 0004 – 03 3000 – 00

Description: 03 3000-00_Cast-In-Place Concrete – Waterstops

Remarks: Please review and return at your earliest opportunity. Thanks,

KN 04/21/16

Kyle Nieman
KCI Construction Company

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WEBSTER UNIVERSITY – INTERDISCIPLINARY SCIENCE BUILDING

St. Louis, MO

Submittal Description: Cast-In-Place Concrete – Waterstops

Submittal #: 0004 – 03 3000 – 00

Notes:

This submittal/drawing has been reviewed and found to be in general conformance with the contract documents.

APPROVED	X
APPROVED AS NOTED	
REVISE AND RESUBMIT	

03 3000
SPEC SECTION

04/21/2016
DATE

Kyle Nieman 04/21/16

KYLE NIEMAN
KCI CONSTRUCTION CO.