

SPECPLUG

Fast-setting hydraulic-cement mortar



DESCRIPTION

SPECPLUG is a durable, fast-setting hydraulic-cement mortar that stops flowing water through holes and cracks in concrete and masonry surfaces. SPECPLUG will not shrink or oxidize.

FEATURES/BENEFITS

- Single component; just add water and use
- Expands as it sets, bonds strongly to concrete and makes watertight repairs
- Sets in approximately 3 – 5 minutes, stops flowing water fast.

SPECIFICATIONS

Yield

One 50 lb (22.7 kg) pail yields approximately 0.43 cubic feet

One pound (0.45 kg) will fill 15.6 cubic inches

Color: Concrete gray

APPLICATION

Recommended for use in:

- Basement and masonry cracks
- Floor and wall joints
- Manholes
- Sewer pipes
- Tunnels
- Swimming pools
- Below-grade foundations

Surface Preparation

1. For best results, enlarge crack to a width and depth of 3/4" (19 mm); cut square or undercut. Do not cut in a "V" shape.
2. Clean the substrate of all grease, wax, oil, contaminants, and curing compounds. Remove all weak, contaminated, or deteriorated concrete.
3. Saturate the surface with water. SPECPLUG will cure in the presence of running water.)

Mixing

Add a small amount of clean water to SPECPLUG and mix to a putty consistency. Use an approximate ratio of 20%-21% water to product (by weight). Mix only enough material that can be placed in 2 minutes: approximately 9.5 pints water to 50 lbs of product.

Application

1. For vertical and moving-water applications, hold product firmly in place until it reaches final set, in approximately 3 minutes.
2. Temperatures below 60° F (16° C) may delay set. Use hot water and warm material to speed setting time. In temperatures above 80° F (27° C) protect the material from hot sun and use cold water to slow setting time.

Curing

SPECPLUG cures and continues to gain strength as long as it remains damp. Keep the material damp for a minimum of 30 minutes. The product obtains optimal strength when wet cured for up to 2 days.

TYPICAL TEST DATA

Compressive Strength (ASTM C 109)	
1-hour	1850 psi
1 day	3050 psi
28 days	7650 psi
Expansion (ASTM C 157) moist cure	
28 days	.08%
Flexural Strength (ASTM C 78)	
28 days	1200 psi
Tensile Strength (ASTM C 190)	
28 days	800 psi

PACKAGING

50 lb (22.7 kg) pails

LIMITATIONS/PRECAUTIONS

Do not place at temperatures below 40°F (5°C) or if the temperature is expected to fall below 40°F (5°C) in the next twenty-four hour period.

DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!

SPECCHEM 
Solution to Service

1511 Baltimore Ave, Suite 600
Kansas City, MO 64108

www.specchemllc.com

866.791.8700

SHELF LIFE

18 months when properly stored in unopened containers in a clean, dry area between 45°F and 90°F (7°C and 32°C).

WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



1511 Baltimore Ave, Suite 600
Kansas City, MO 64108
www.specchemllc.com 866.791.8700

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICAL	

ITEM BEING SUBMITTED (check only one)

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

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 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**

REVIEWED BY	DATE
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To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
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 <table border="0" style="width: 100%;"> <tr> <td>☒ NO EXCEPTION TAKEN</td> <td>☐ EXCEPTIONS NOTED, RESUBMITTAL NOT REQUIRED</td> </tr> <tr> <td>☐ REJECTED</td> <td></td> </tr> <tr> <td>☐ REVIEWED FOR INFORMATION ONLY</td> <td>☐ REVISE AND RESUBMIT AS NOTED</td> </tr> </table> 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: <u>JYW</u> DATE: <u>09/08/2016</u>	☒ NO EXCEPTION TAKEN	☐ EXCEPTIONS NOTED, RESUBMITTAL NOT REQUIRED	☐ REJECTED		☐ REVIEWED FOR INFORMATION ONLY	☐ REVISE AND RESUBMIT AS NOTED
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JILL WALKER / DMA	09/08/2016
REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0206

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 09/01/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Patching material for concrete cracks

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		033000-019	1		09/01/2016	Patching material for concrete cracks	Open

NOTES:

CC:

Signed: _____
Devin Gates