



Submittal Item

Project [IPS-III-1015] - 015 - Thomas D. Gregg
Elementary School

View Date 2/11/2010

Enginuity Management & Consulting Corp.
Ste 230
6214 Morenci Trail
Indianapolis, IN 46268
Phone: 317-297-5601
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Submittal Item No.
00279

General Information

Item No.	00279	Revision	0
Package No. Rev.	<u>233113.0</u>		
Description	Product Data-general		
CSI Code	23 31 13 - Metal Ducts	Submitting Company	MacDougall Pierce Construction, Inc.
Reference No.		Copies Required	1
Status	Requested from Prime	Item Type	Product Data
Responsible Team Member	Sahara Williams (Enginuity Management & Consulting Corp.)		
Item Notes			
Primary Response			
Submission Notes			
Review Notes			

Dates

Material Required on Site	Required Lead Time (days)
Approved Submittal Required	Required Review Time
By	(days)
Submission Due	

Manufacturer

SUBMITTAL COVER SHEET

Project:

IPS 15- Thomas D. Gregg Elementary School Mechanical/Plumbing Work
IPS-CIP Phase III GC: MacDougall Pierce Construction

Date:

01/25/10

Project No:

09-0163M


<p>General Contractor: MacDougall Pierce Construction 12720 Ford Drive Indianapolis, IN 46038 317-596-6371 Brent Houston</p>	<p>Architect/Engineer: Durkin & Villalta Partners Engineering 8440 Woodfield Crsg. Blvd., Ste. 175 Indianapolis, IN 46240 317-472-3883 Tom Durkin</p>	<p>Mechanical Contractor: Ellis Mechanical & Electrical 2929 Bluff Road Indianapolis, IN 46225 317-786-2957 Tim Brabender</p>	<p>Subcontractor/Supplier: Colby Equipment 3048 N. Ridgeview Drive Indianapolis In. 46226 317-545-4221 John Fillio</p>
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Specification Division:
 233113

Item Description:
 Duct Sealer

Manufacturer(s):
 Carlisle

LEED Information:
 Low VOC

Owner/Owner Representative Stamp	Architect/Engineer Stamp	Contractor Stamp	Subcontractor/Supplier Stamp
<p align="center" style="border: 1px solid red; color: red;">Reviewed by SLW of Eniginuity for CQM Team on 02/10/10.</p>		<p>REVIEWED & SUBMITTED TO DESIGN ARCHITECT/ENGINEER AND/OR OWNER/OWNER'S REPRESENTATIVE FOR APPROVAL ON <u>1/25/10</u>  X Signed</p>	



DUCT-SEAL™ 321

Indoor/Outdoor Water Based Duct Sealant

DUCT-SEAL 321 is an all purpose industrial grade duct sealant for all types of metal duct, glass fiber duct board, and flex duct, as well as duct fabric and flexible tubing runouts. It includes UV inhibitors for extended outdoor exposure and built-in fiber reinforcement for added strength. This non-toxic water based product is solvent free and is suitable for residential use.

TECHNICAL DATA

Color.....	Gray
Consistency.....	Smooth creamy texture
Base.....	Synthetic latex
Solvent.....	Water
Weight per Gallon.....	10.6 lbs.
Solids Content.....	65%
Viscosity.....	Thixotropic
Coverage (per gal).....	Up to 320 lin. ft. at 3" width 20 mil thickness
Shore A Hardness.....	>20
Flexibility.....	Passes ¼ inch mandrel bend
Time to Test.....	48 hours*
Service Temperature.....	-20°F to 200°F
Weather Resistance.....	Weather resistant
Mildew Resistance.....	Mold & Mildew resistant
VOC (less water).....	75 g/l (less water)
Pressure Classes.....	SMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.
Seal Classes.....	SMACNA A, B, C
Packaging.....	11 oz. cart., 1, 2 & 5 gal. pails
Freeze/Thaw Stability.....	Passed 5 Cycles
Specifications Compliance.....	Passes ASTM D-2202, ASTM C-731. USDA, EPA and FDA Approved. LEED compliant SCAQMD Rule 1168.

*May vary according to temperature and humidity

CLASSIFIED
UL
C US

CAULKING AND SEALANTS
94PF
SURFACE BURNING CHARACTERISTICS:
FLAME SPREAD..... 0
SMOKE DEVELOPED..... 0

*Applied to inorganic reinforced Cement Board *Tested as applied in one 3 in. (76.2 mm) wide strip, on center covering 16.7 percent of the exposed test sample area) at a coverage of 80 sq. ft/gal (2 sq. mL). Flash point of finished sealant, closed cup: No flash to boiling.

UL
LISTED

17NF
UL 181B-M
Mastic closure systems for use with flexible duct systems or connectors.

City of Los Angeles Approval RR #8069

DUCT-SEAL 321 PART NUMBERS

1 Case w/ (25) 11 oz. Cartridges.....	304159
1 Case w/ (4) 1-Gallon Pails.....	304156
1 - 2-Gallon Pail.....	304157
1 - 5-Gallon Pail.....	304158

APPLICATION

Temperature.....	35°F. to 110°F. (1.7°C to 44°C)
Method.....	Brush, putty knife, caulk gun, pump
Preparation.....	Surface must be dry, dirt, oil and grease free.
Rate.....	Apply at joints and fasteners to 20 mil thick wet film
Clean Up Wet.....	Soap and water
Clean Up Dry.....	UN-TACK™ or Solvent (Use safe handling practices.)
Painting.....	Only latex or epoxy paints

STORAGE

Temperature.....	35°F. to 110°F. (1.7°C to 44°C) DO NOT FREEZE
Shelf Life.....	One year (unopened)
Flammability.....	Non-flammable

**USDA, EPA & FDA
APPROVED**

PRECAUTIONS

Surface must be clean and free of moisture, contamination and foreign matter. Do not allow this product to freeze. Apply when temperatures will not fall below freezing for at least 36-48 hours, depending on temperature and humidity. Do not apply this product where temperatures will exceed 200°F. Keep out of the reach of children. Review MSDS for complete safety information prior to use. DO NOT use where acidic or alkaline chemicals are present (ie., lab fume hood, vents, etc.)

For Industrial Professional Use Only.

For additional information contact:



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