



WEAVER GENERAL CONSTRUCTION COMPANY
 3679 S. Huron St., Suite 404
 Englewood, CO 80110
 Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITTAL

September 27, 2010

WGC Submittal No: 03300-006

PROJECT: **Harold Thompson Regional WRF**
 Birdsall Rd.
 Fountain, CO 80817
 Job No. 2908

ENGINEER: **GMS, Inc.**
 611 No. Weber St., #300
 Colorado Springs, CO 80903
 719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan
 Sewage Disposal District**
 901 S. Santa Fe Ave.
 Fountain, CO 80817
 719-382-5303 James Heckman

CONTRACTOR: **Baker Concrete Construction**
 1904 Jasper Street
 Aurora, CO 80011
 937-536-9000 Nick Dewald

SUBJECT: Bonding Agent - Multicoat EVA

SPEC SECTION: 03300 - Cast-In-Place Concrete

PREVIOUS SUBMISSION DATES: None

DEVIATIONS FROM SPEC: ___ YES X NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver General Construction and approved with respect to the means, methods, techniques, & safety precautions & programs incidental thereto. Weaver General Construction also warrants that this submittal complies with contracted documents and comprises on deviations thereto:

<p>Contractor's Stamp:</p> <p>Date: 9/27/10 Reviewed by: H.C. Myers <input checked="" type="checkbox"/> Reviewed Without Comments <input type="checkbox"/> Reviewed With Comments</p> <p>ENGINEER'S COMMENTS: _____</p>	<p>Engineer's Stamp:</p>
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Letter of Transmittal/Submittal

FROM: **Baker Concrete Construction**
 1904 Jasper Street
 Aurora, CO 80011
 303.367.8111
 Nick Dewald 937.536.9000

DATE	09/23/10	JOB NUMBER	9921
ATTENTION	Bruce Herman		
RE:	Harold Thompson Regional WRF		
TR#	9921-006	SM#	03300-006

TO: **Bruce Herman**
 Weaver General Construction Co.
 3679 South Huron St., Suite 404
 Englewood, CO 80110

We are sending you: **ATTACHED** via **EMAIL** the following: **SPECIFICATION**

COPIES	DATE	PAGES	Description
1	9/23/2010	2	Bonding Agent - Multicoat EVA

THESE ARE TRANSMITTED as noted below:

REMARKS _____

COPY TO _____ SIGNED: _____
 Baker Concrete Construction, Inc.

If enclosures are not as noted, kindly notify us at once



Multicoat EVA

One Time Re-Emulsifiable Bonding Agent

DESCRIPTION

Multicoat EVA is a one time re-emulsifiable, ethylvinyl acetate copolymer for use as a liquid bonding agent and admixture. **Multicoat EVA** has high strength in dry film and provides a better wet bond than acrylic or PVA products. Unlike PVA products, it allows for exterior use, increased water and alkali resistance and a lower film formation threshold. **Multicoat EVA** is considered less sticky, more workable and more versatile than acrylic bonders. **Multicoat EVA** will re-emulsify once and will not re-wet again. It can be used as both a bonder and an admixture in interior or exterior applications not subject to water immersion.

USES

Multicoat EVA is an ideal primer for use with **US SPEC SLU** or other cementitious compositions because of its one-time re-emulsification ability. **Multicoat EVA** can also be used as an admixture with portland or gypsum cement underlayments, patches, mortars and coatings to increase adhesion, as well as flexural and tensile strength. **Multicoat EVA** will bond to concrete, masonry and brick.

BENEFITS

- Versatile: Bridges gap between acrylic and PVA products
- Excellent Bonding Agent: Superior adhesion properties
- Can be used when there is a delay of up to seven days prior to application of top coat
- Workability: Improved trowelability over acrylic products
- Water-Based: Low odor, VOC compliant and easy clean-up
- Consistent: Strict Quality Control testing and standards

STANDARDS

Multicoat EVA meets and exceeds the requirements of ASTM C-1059 for Latex Bonding Agents.

SURFACE PREPARATION

All surfaces in contact with **Multicoat EVA** shall be free of dirt, oil, grease, laitance and other contaminants that may act as bondbreakers. All unsound concrete should be removed to ensure a good bond. Smooth, dense surfaces may need to be mechanically abraded to provide necessary bonding requirements. ACI recommends that the area to be patched should be saturated for 24 hours before placement. Remove any standing water. Surface should be saturated, surface dry (SSD). Maintain contact areas between 45°F (7°C) and 90°F (32°C) prior to repair and during initial curing period.

PHYSICAL PROPERTIES

*Complies with National Volatile Organic Compound Emission Standards.

APPEARANCE	Milky White Liquid
SOLIDS CONTENT	55%
pH	4.5
SPECIFIC GRAVITY	1.1
LBS/GAL	8.9
FREEZE/THAW STABLE	No
MIN. FILM. FORM	32°F (0°C)
MECHANICAL STABILITY	Excellent
WATER RESISTANCE	Good
VISCOSITY	2,300 CPS

MIXING

For best results, mix thoroughly before each use. Do not over agitate or use high speed mixing equipment. Stir **Multicoat EVA** to a uniform blend when combined with water. When batching with **Multicoat EVA**, always premix both the dry ingredients (sand and cement) and the wet ingredients separately. Next, slowly blend the dry ingredients into the wet ingredients to form a mortar of desired consistency. Suggested applications are as follows:

Slurry Coat:	94 lb. cement 6 gal water 3 gal Multicoat EVA
Patching Admixture:	1 part water 1 part Multicoat EVA

PLACING

As a primer for **US SPEC SLU** and **Flow-Top HD**, apply evenly with a soft push broom. Do not use paint rollers, mops or spray equipment. Prime the surface with **Multicoat EVA** at a rate of 500-600 ft²/gal when diluted 2:1 with cool, clean potable water. Coverage rate of **Multicoat EVA** will vary depending on the porosity of the surface. Extremely absorbent concrete may require two applications of **Multicoat EVA** to avoid the formation of "pinholes" in the underlayment. Allow **Multicoat EVA** to fully dry prior to placing underlayment.

As a bonding agent for patching compounds, apply with a low pressure sprayer, brush or roller at a rate of 300 ft²/gal when diluted 1:1 with cool, clean potable water. A hand held pump sprayer or an airless industrial sprayer is acceptable. Apply evenly without puddling. Allow **Multicoat EVA** to fully dry prior to placing patch.

Packaging: 1 gal (3.8 L) jug, 5 gal (18.9 L) pail, 55 gal (207.9 L) drum



Multicoat EVA

One Time Re-Emulsifiable Bonding Agent

STORAGE

Protect from freezing. Store material in an interior, cool dry place above 45°F (7°C). Shelf life is one year in original, unopened container.

CLEAN-UP

Clean tools and equipment with warm, soapy water. After material has dried, it may be necessary to use solvents such as mineral spirits, toluene or xylene.

LIMITATIONS

In addition to limitations already mentioned, please note the following. Do not apply when the temperature is below 45°F (7°C) or when the temperature is expected to fall below 45°F within 48 hours. Do not use **Multicoat EVA** in areas subject to constant immersion, such as swimming pools.

SUBMITTED

BAKER CONCRETE CONSTRUCTION

September 23, 2010

Baker Concrete Construction reviewed, approved, and hereby submits the attached in accordance with the Contract Documents. Note to Subcontractor/Material Supplier: Subcontractor remains responsible for confirmation and correlation of dimensions at the jobsite, fabrication processes and construction techniques; coordination of the work with work of other trades and satisfactory performance of the work.

REGULATORY

Read and follow application information, precautions and Material Safety Data Information.

HMIS

Health 1, Fire 0, Reactivity 0

VOC Content

0 g/L

CAUTION

Avoid contact with skin. Protective clothing is recommended. Contact areas should be thoroughly washed with soap and water. Avoid contact with eyes. Protective goggles are recommended in case of splashing. Flush eyes with water if contact occurs. Avoid ingestion of material. If ingestion occurs, contact a poison center or physician.

TECHNICAL SERVICE

US MIX Co.

112 South Santa Fe Drive

Denver, CO 80223

Tel: 303.778.7227 Fax: 303.722.8426

Web Site: www.usspec.com

NOTICE OF LIMITED WARRANTY US MIX Co. (manufacturer) warrants to buyer that this product at the time and place of shipment is of good quality and conforms to the manufacturer's specifications in force on the date of manufacture when used in accordance with the instructions hereon. Manufacturer cannot warrant or guarantee any particular method of use, application or performance of the product under any particular condition. This limited warranty cannot be extended or amended by manufacturer's sales, people, distributors or representatives or by any sales information, specifications of anyone other than the manufacturer. Liability under this warranty is expressly limited to refund of the purchase price.

LIMITATION OF WARRANTIES AND LIABILITY Buyer assumes all risks associated with the use of this product. Manufacturer expressly disclaims all warranties expressed or implied including the warranties of merchantability and fitness for a particular purpose and all other warranties otherwise arising by operation of the law, course of dealing, custom, trade or otherwise. Buyer's exclusive remedy if this product is proven to be defective is limited to refund of purchase price by the manufacturer. Refund shall only be available if the buyer notifies manufacturer in writing within thirty days following discovery of any defect. Written notice shall be forwarded to US MIX Co. at 112 South Santa Fe Drive, Denver, Colorado 80223. No claim can be made twelve months after purchase of the product. Twelve months after the purchase manufacturer's duties with respect to the product and limited warranty shall be presumed to have been satisfied. Manufacturer in no event is liable for consequential damages.