

## **Update 7-21-2022**

### **Shortage of supply of Epoxy for Bridge Painting and Concrete Sealing.**

This impacts the following items.

Item 512 – Epoxy Urethane Sealer

Item 514 – Intermediate Coat for OZEU and IZEU systems

The following is an update to the ongoing shortage of epoxy paint materials that is causing supply issues for our projects. Currently, some suppliers are providing a limited amount of product weekly, to paint and sealing contractors in the state, as they receive material from the suppliers in Texas. The amount may not be enough to meet the demand this construction season and likely will continue into next construction season from the communication we have had with the approved suppliers. Some suppliers have a higher volume of material on hand than others.

The Department is approaching these issues on a project-by-project approach. The Contractors are encouraged to send an RFI to address these shortages. The Department will attempt to be as flexible as possible to keep the work moving.

The Department is offering the following guidance based on the material shortage.

#### **For Item 512 – Epoxy Urethane Sealing**

- 1) If aesthetics is not a concern, we are encouraging Districts to allow RFI's to switch projects to non-epoxy as much as possible. From our previous communications in May and June it appears that we have switched out many of our projects to date. The Districts should also expect the shortage of Epoxy Urethane to last into next construction season which is further than we last identified. We are recommending Districts consider switching projects selling next construction season as well. We would expect a cost reduction to use non-epoxy sealers and will not consider paying any additional cost to switch.
  
- 2) If aesthetics is a concern, we recommend Districts consider allowing RFI's to switch projects to an ODOT approved Noise Barrier Sealer included in the table below. We have already applied some approved noise wall sealers to a small group of projects. We recognize these products are not barrier coatings like the Epoxy Urethane but will provide protection and have similar aesthetics to our Epoxy Urethane System. The aesthetic difference will be a flatter finish vs the glossy finish of the Epoxy Urethane. We are also recommending Districts consider projects selling next year to include "as per plan notes" allowing approved noise wall sealers on the QPL list prior to sale. The surface preparation should be discussed in both current projects and addressed in as per plan notes for future projects not sold yet. The Districts can accept the preparation by manufacturer's recommendation or Districts could require the preparation in C&MS 512 for Epoxy Urethane. Districts can contract David Flood for guidance on as per plan notes for future projects.

ODOT APPROVED NOISE BARRIER SEALERS	
SUPPLIERS	DRAWINGS & NOTES
TAMMSCOAT FINE ODOT TAMMS INDUSTRIES COMPANY/EUCLID CHEMICAL 19215 REDWOOD ROAD CLEVELAND, OH 44110 800-321-7628 <a href="mailto:INFO@EUCLIDCHEMICAL.COM">INFO@EUCLIDCHEMICAL.COM</a>	APPLICATION DRY FILM THICKNESS 20 MILS SMOOTH SURFACE RATE OF 50 SF/GAL TEXTURED SURFACE (ASHLAR STONE) RATE OF 40 SF/GAL TEXTURED SURFACE (3/4 FLUTED) RATE OF 25 SF/GAL
BRIDGE COTE XL-70 W/SILANE (FINE TEXTURED) BY TEX COTE OR BRIDGE COTE XL-70 BY TEX-COTE TEXTURED COATING OF AMERICA 4101 RAVENSWOOD ROAD SUITE 218 FORT LAUDERDALE, FL 33312-5371 954-581-0771	APPLICATION DRY FILM THICKNESS 15 MILS SMOOTH SURFACE RATE OF 50 SF/GAL TEXTURED SURFACE (ASHLAR STONE) RATE OF 40 SF/GAL TEXTURED SURFACE (3/4 FLUTED) RATE OF 25 SF/GAL
TEXTUREDOT BY CHEMMASTERS 300 EDWARDS ST MADISON, OH 44057 800-486-7866	APPLICATION DRY FILM THICKNESS 15 MILS (380 MICROMETERS) SMOOTH SURFACE RATE OF 50 SF/GAL TEXTURED SURFACE (ASHLAR STONE) RATE OF 40 SF/GAL TEXTURED SURFACE (3/4 FLUTED) RATE OF 25 SF/GAL
SHERWIN WILLIAMS 809 GUNPOWDER DRIVE LEXINGTON, KY 40509 DERRICK CASTLE, PROJECT DEVELOPMENT MANAGER BRIDGE AND HIGHWAY 913-481-0612 <a href="mailto:DERRICK.CASTLE@SHERWIN.COM">DERRICK.CASTLE@SHERWIN.COM</a>	B97W160 SMOOTH TEXTURE APPLICATION DRY FILM THICKNESS 10-15 MILS DFT SMOOTH SURFACE RATE OF 60-90 SF/GAL TEXTURED SURFACE (ASHLAR STONE) RATE OF 45-75 SF/GAL TEXTURED SURFACE (3/4 FLUTED) RATE OF 15-25 SF/GAL APPROVED ON 6/15/17

- 3) The Districts may decide they need to match the Epoxy Urethane that is already on a project or part of a bigger project. In this case per C&MS 108.06.B.3 the Department is allowing excusable, non-compensable delays. On projects that are not sold the Districts should consider longer completion dates to the end of next construction season to complete the work in order for the supply to return.

#### For Item 514 – Bridge Paint – IZEU and OZEU systems

- 1) The Department has multiple systems on our QPL, but all are experiencing shortages of raw materials to make the Epoxy Intermediate coat. Some painters have been able to obtain enough supply from suppliers on our approved QPL list to complete their work. The Department’s understanding from material suppliers is that the supply will be limited throughout the year and into next construction season as raw material becomes available. Many painters could not obtain other sources and are receiving only a limited supply from suppliers. The department recognizes these challenges and this shortage and is allowing an excusable, non-compensable delay per C&MS 108.06.B.3 when there are no available options to procure material. The Department recommends that Districts evaluate their projects that have MOT set up and work with Contractors in the industry to address those areas to limit the overall impact this season as well as the possibility work may need extended into next year.
- 2) We have received RFI’s to extend the requirements of C&MS 514.17G from 30 days. The Department is recommending some flexibility on the 30 days. The Department cannot consider this approach on a large scale due to the unreliability of the intermediate coat. The department will require RFI’s for extensions to contain remedial action to the prime coat inclusive of salt testing if we would not obtain intermediate and finish prior to winter.
- 3) The Department is advising Districts to consider the two-coat system that we evaluated over the last 5 years. The Department is at the end of the research process and the Polysiloxane system appears to be performing well under the short windows so far. We are willing to consider the change through an RFI. Please copy Nathan Paykoff and David Flood on these RFI’s to ensure these products are approved for research or meet the latest manufacturers

requirements. Plan notes can be provided for use on future projects if requested. The Department's understanding is these products are also not in full supply due to material shortages but may be helpful on work the District feels needs to be completed on a committed timeline. No additional cost would be expected from this change. The Polysiloxane is more expensive than the two coats of Epoxy and Urethane but the Polysiloxane is a 2 coat process where a reduction in labor and equipment costs should offset this material cost for OZEU systems.