Epoxy and Resin Based Adhesives
Technical Committee Meeting Agenda
Working Session # 4 Plaza B
Monday, March 13, 2017 3:25PM – 4:25PM

Please complete the electronic attendance sheet

1) 3:25 - 3:30 PM: Call to Order and Introductions

2) 3:30 - 3:35 PM: Review of Current Technical Committee Members
   a) See next page – any additions?
      • 3 states currently using NTPEP for ERB evaluations expecting several additional states to adopt it in the near future.

3) 3:35 - 3:40 PM: Brief summary of the technical committee:
   a) Epoxy and resin based adhesives are chemical products utilized in highway construction for a host of different applications. Some of these applications include affixing raised pavement markers and traffic delineators to roadways, as well as dowel connectors in concrete pavement joints and sealing segments of posttensioned precast concrete structures. These products can be single component or multiple component systems and are available in wide variety of chemistries. This program is not intended and should not be used to qualify products for use in sustained load (creep) applications. The intent of this program is to assist state highway agencies with prequalifying epoxy and resin based adhesive bonding systems for use in applications where sustained loads do not exist.
      • FDOT epoxy program was sloppy and needed to be streamlined
         o Examples:
            ▪ Had Type A and Type B epoxys
            ▪ 17 products 14 of which met Type A and Type B

4) 3:40 - 3:45 PM: Update-Program Status:

- LADOT in place for about two years
- FDOT specifications approved by FHWA
- TennDOT & PennDOT have formally notified producers they are going to start requiring this program
- Producers asked why should I pay for confined tensile testing that I don’t intend to use that way?
  - Work plan will be updated and balloted.
    - Total cost full regimen has not changed
    - Cost without confined tensile testing will be approx. $5500
- Testing for additional classes (different temp ranges) will cost approx. $500 additional due to the amount of testing required
- Draft usage guide is being worked on
  - Ask Paul if you’d like to see it

5) 3:45 PM-4:15 PM: New Business:

a) Discuss having all confined tensile testing as additional testing. Why perform tensile pull outs on products not to be used as anchors. Committee vote?

b) Testing for additional grades, types, and classes.

c) Draft Usage Guide – provide comments ASAP. Won’t be a draft long.

6) 4:15 - 4:20 PM Open Discussion/Industry Concerns

- SIKA:
  - Feels the spec is a bit complicated
    - Has submitted some recommendations to Paul and would like TC to consider breaking the tests down
  - Clarity on the cost perspective of this testing
- Dayton Superior
  - Broke testing down into particular categories based on C881
- Let people take a look at these documents in order to evaluate and see what level of viability they have.
- Discussion about issues and bias in testing
It’s an AASHTO discussion for who should do testing and how to handle it.

Split samples
- Even proficiency samples have some variance with their samples so this might not be effective
- Precision and bias in some cases is very large for some test methods and specifications

7) 4:20 - 4:25 PM: Review of Action Items for 2017
- Most of these are for Paul
  - Will look at industry categories of testing
  - Will discuss during conference calls
    - Need better turn out for these
  - Will send out teleconference date after he discusses with Ryan
- How many products have been submitted?
  - 1 product at the testing phase
  - 2 others that have submitted applications
- Right now the TC has a rolling submission cycle