

Performance Exam Checklist

Bond Strength (Diagonal Shear) *ASTM C 882*

Participant Name _____ Exam Date _____

Procedure Element

Yes No

1. Confirmation that the concrete lab will be ready to mix mortar?
2. Half cylinders taken from moisture room?
3. Elliptical surface acid washed, rinsed with water and allowed to dry?
4. Half cylinders placed in cylinder molds awaiting the epoxy and mortar?
5. Epoxy mixed using manufacturer's mix ratio and directions?
6. With elliptical surface maintained horizontal, coat the surface with epoxy?
7. Epoxy layer thickness 10 to 15 mils (0.3 mm to 0.4 mm)?

After the epoxy coating:

8. Fill up the remainder of the mold with fresh plastic mortar?
9. New mortar rodded and the top smoothed off?
10. Specimens (epoxy/mortar) cured for two (2) days or fourteen (14) days at 100% relative humidity?
11. Compressive load determined as per WSDOT Test Method T 22?
12. Compressive strength calculated based on elliptical surface area?

First Attempt: Pass Fail Second Attempt: Pass Fail

Signature of Examiner _____

Comments:

