

Performance Exam Checklist

ASTM C 882

Bond Strength (Diagonal Shear)

Participant Name: _____ Exam Date: _____

Record the symbols "P" for passing or "F" for failing on each step of the checklist.

Procedure Element	Trial 1	Trial 2
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?	_____	_____

Comments: First Attempt: Pass _____ Fail _____ Second Attempt: Pass _____ Fail _____

Examiner Signature: _____ WAQTC #: _____

