

Fire Resistant Coating Details (Ramp Slab Soffit):

1) FireFree88, manufactured by FireFree Coatings, Inc. shall be applied on FRP on the soffit side of the ramp slab. Min 20 mils dry/ 30 mils wet coating application to be applied over a compatible primer recommended by FireFree Coatings Inc. FireFree88 shall be applied with a minimum 12" beyond the FRP termination edges. Strictly follow manufacturer's installation instructions.

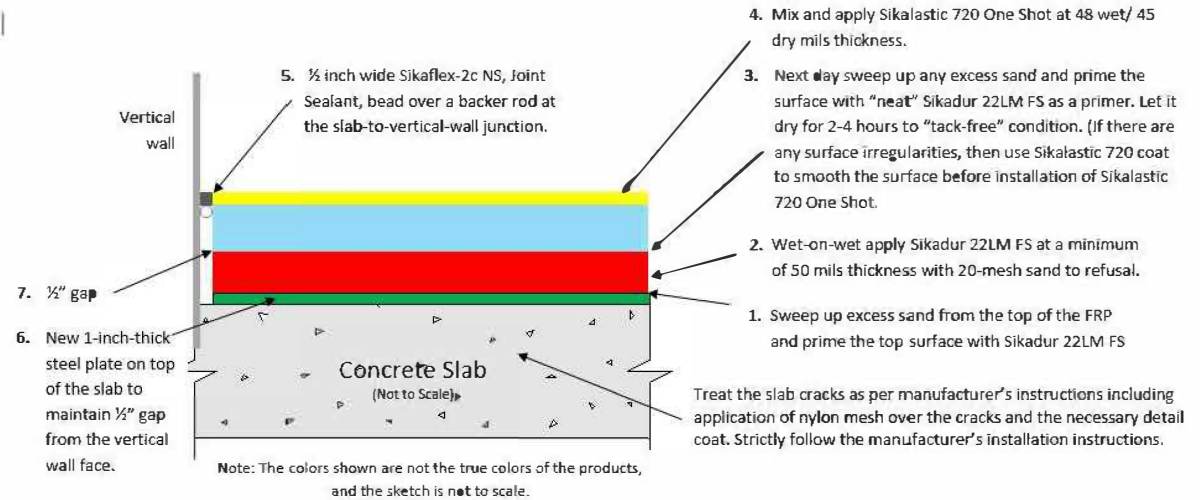
2) A continuous special inspection is required during the application of the fire-resistant coatings as per CBC 1705.16 and perform all required check per manufacturers installation instructions.

Traffic Coating Details:

1. Traffic coating as per sketch 1. The traffic coating shall extend 5 feet beyond the top FRP installed at both ends along the traffic direction of the ramp. Strictly follow manufacturers installation instructions.

2. Continuous special inspection is required during installation of the traffic coating per CBC 1705.16 and perform all requires checks and observations as per manufacturers installation instructions.

Note: A copy of all the special inspection reports for fire resistant coating and traffic coating shall be submitted to EOR.



Mock-up Requirements

1. The contractor shall construct a minimum of 5 ft x 5 ft mock-up area on a concrete slab at the designated location. The mock-up shall include specified FRP and the traffic coating over a concrete slab substrate. The mock-up shall be constructed and then removed at the contractor's expense. The mock-up shall be completed at least three weeks prior to the commencement of the traffic coating work. The mock-up shall have feathered edges.
2. The Owner's representative shall arrange for the mock-up evaluation testing. The evaluation testing shall consist of a minimum of three "Pull-off" Bond strength tests per ASTM C 1583 and microscopic evaluation of the sample. A minimum average acceptable bond strength shall be 250 psi or greater, or a failure in the concrete substrate. If the test results are unsatisfactory, the contractor may redo another mock-up; however, the contractor shall pay for the cost of evaluation tests.
3. **Written approval of the mock-up by EOR is required before initiating the work.**

Sketch 1



R1: Updated Traffic coating	
Date: 07/28/2026	Not to Scale
Project: Village at Palisades, Bldg 5, Olympic Valley, CA	
Subject: Fire Coating and Traffic Coating Details	
Drawing Size: Arch C	Drawing Number: SD3B_R1
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