

SPRAY-APPLIED BRIDGE DECK WATERPROOFING SYSTEMS

The following systems apply to waterproofing the top of cored slab and box beam units prior to placement of an asphalt overlay. These requirements replace those in Section 814 of the SCDOT Standard Specifications.

Provide a waterproofing membrane system that consists of:

- Primer
- One or two coat rapid curing cold liquid spray applied seamless methy methacrylate, polyuria, or polyurethane methyl methacrylate membrane
- Aggregate keycoat
- Polymer modified tack coat

Provide one of the following systems:

MANUFACTURER	PRODUCT NAME
<i>Bridge Preservation LLC</i>	Bridge Deck Membrane
<i>FPT Infrastructure (USL Group)</i>	Matacryn Machine
<i>GCP Applied Technologies</i>	Eliminator
<i>Magnolia Advanced Materials, Inc.</i>	MagnoMembrane
<i>Prime Resins Inc (USL Group)</i>	Pitchmastic PMB
<i>The Wasser Corporation</i>	Polyflex

Install the membrane waterproofing system in accordance with the manufacturer's instructions and recommendations. Protect adjacent areas from overspray or other contamination.

The contractor applying the waterproofing system shall be certified by the membrane waterproofing system manufacturer and have at least 2 years of experience in membrane installation. Provide the RCE with written approval of the waterproofing contractor's qualifications at least 30 days prior to application of any system component.

Bridge longitudinal joints between units and transverse joints between spans with reinforcing tape approved by the manufacturer.