

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 728 of the SCDOT Standard Specifications.

Provide a waterproofing membrane system that consists of:

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

Provide one of the following systems:

| MANUFACTURER | PRODUCT NAME |
|---------------------------------------|----------------------------------|
| <i>Bridge Preservation LLC / PPG</i> | Bridge Deck Membrane |
| <i>FPT Infrastructure (USL Group)</i> | Matacryl Machine |
| <i>GCP Applied Technologies</i> | Eliminator |
| <i>Prime Resins Inc (USL Group)</i> | Pitchmastic PMB |
| <i>Transpo Industries</i> | Armour-Guard Membrane (BDM HMBA) |

The tack coat shall be supplied by the membrane manufacturer.

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. Certification must be valid within one year of installation date for this project. Provide the RCE with written approval of the waterproofing contractor's qualifications at least 30 days prior to application of any system component.