



**CITY OF AUSTIN  
STANDARD PRODUCTS LIST**

for  
**ORGANIC LINING FOR WASTEWATER MANHOLES**

**USING DEPARTMENT:** Austin Water      **PREPARED BY:** Bill Flynn, P.E.      **ISSUED:** 05/10/84  
**REVISED BY:** Jeff A. Kyle, P.E.      **REVISED:** 01/01/20

**DESCRIPTION:** Lining, Corrosion Resistant, spray or brush applied. Material shall be urethane, polyurethane or epoxy. Permitted uses as noted in Product Identification/Comment below. Substrate and surface preparation, application conditions, application equipment, material preparation, and curing shall be in strict accordance with manufacturer's written recommendations (product technical data sheet) unless written documentation from manufacturer requesting variance has been approved by Austin Water.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
01/02/97	RAVEN LINING SYSTEMS 13105 East 61 <sup>st</sup> Street Suite A Broken Arrow, OK 74012	Raven 405 High Build Epoxy, 80 mils min. thickness Permitted Uses: See notes 3, 4, 5, 6, and 7 Applicator 1: Lewis Concrete Restoration, Eric Lewis Applicator 2: National Power Rodding, Fabian Castel Approvals Expire December 31, 2021	R. Lamb
01/02/97	SPRAYROQ, INC. 4766 Grantswood Rd. Suite 150 Irondale, AL 35210	Spraywall Process, 80 mils min. thickness Permitted Uses: See notes 3, 4, 5, 6, and 7 Applicator: Fuquay, Inc., John Fuquay Approval Expires December 31, 2021	R. Lamb
07/01/97	SEALING SYSTEMS, INC. 23230 West Thomess Blvd. Loretto, MN 55357	Flex-Seal with Primer, 80 mils min. thickness Permitted Uses: Only in chimney area over grade rings Approved Applicator not required	R. Lamb
10/01/13	QUADEX 4801 Crystal Hill Rd. North Little Rock, AR 72118	Structure Guard, 80 mils min. thickness Permitted Uses: See notes 3, 4, 5, 6, and 7 Applicator 1: Facilities Rehab, Richard Bowsher Applicator 2: BCAC Underground, LLC, Ben Goodall Approvals Expire December 31, 2021	R. Lamb
01/01/20	WARREN ENVIRONMENTAL AND COATINGS 137 Pine St. Middleborough, MA 02346	Warren 301-14, 80 mils min. thickness Permitted Uses: See notes 3, 4, 5, 6, and 7 Applicator 1: DFW Infrastructure, JB Conant Applicator 2: Ace Pipe Cleaning, John Moore Applicator 3: Madero Architects & Engineers, Frank Madero Approvals Expire December 31, 2021	J. Kyle

**NOTES:**

- Lining product used for repair shall be the same as that used in original application. Use of a different product, even if it is compatible with the original lining, requires written approval of Austin Water.
- The Contractor is responsible for coating application as required for the interior surface of sectional concrete manholes. If shop-coated sections are used, contractor shall apply touch-up as required and shall completely coat the interior of all grade-adjustment rings and invert areas using the same product as applied in the shop.

(NOTES continued on Sheet 2)



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3. Product may be applied to new manholes before wastewater lines are put into use or before hydrostatic testing of wastewater line or manhole, when allowed.
4. Product may be applied to new manholes after wastewater lines have been put into use or after hydrostatic testing of wastewater line or manhole, when allowed.
5. Product may be applied to existing manholes for rehabilitation. Minimum thickness will increase depending on manhole condition.
6. Product may be applied to new lift station wet well before operation.
7. Product may not to be used, regardless of any other permitted uses, if any part of the manhole or lift station wet well extends below existing groundwater level unless a water-proofing system, as specified on the drawings, is applied at the same time to the exterior surface of the manhole or wet well.

**LATEST REVISIONS:**

1. Added Warren Environmental and Coatings.
2. Updated approved applicators for Quadex.
3. Updated product and applicator expiration dates from 10/1/2019 to 12/31/2021.