

**Section 07218**  
**K-13 Spray-on Systems With ProTek-13 Protective Coating**  
**Specification Guide**

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<p><b>PART 1- GENERAL</b></p> <p><b>1.01 Work Included:</b></p> <ul style="list-style-type: none"><li>A. The work to be performed under this section shall include all materials, equipment, labor and services required to install the sprayed cellulose fiber and protective coating in accordance with these specifications and as indicated on the drawings if applicable.</li><li>B. A representative surface of not less than 10 feet shall be sprayed and approved by the Architect and/ or Owner prior to proceeding.</li></ul> <p><b>1.02 Related Work:</b></p> <ul style="list-style-type: none"><li>A. Clips, hangers, supports, sleeves and other attachments to spray bases are to be placed by other trades prior to the application of sprayed insulation.</li><li>B. Ducts, piping, conduit, or other suspended equipment shall not be positioned until after the application of sprayed insulation.</li></ul> <p><b>1.03 Systems Description/ Quality Assurance</b></p> <ul style="list-style-type: none"><li>A. Contractor must use a total system, encompassing equipment, fiber and adhesive as supplied and tested by the manufacturer. No substitution may be made.</li><li>B. Fibers supplied under this specification shall have each bag coded with the date and lot number of manufacturer, and retained samples shall be kept by the manufacturer for not less than one year.</li><li>C. Contractor must be licensed and trained by the manufacturer.</li></ul> <p><b>1.04 Submittals:</b></p> <ul style="list-style-type: none"><li>A. Submit product data and manufacturer's certificate that the product meets or exceeds specified requirements.</li><li>B. Manufacturer's written certification that product contains no asbestos, fiberglass or other man made mineral fibers.</li></ul>	<p><b>1.05 Product Delivery, Storage and Handling:</b></p> <ul style="list-style-type: none"><li>A. Materials shall be delivered in original, unopened containers bearing name of manufacturer, product identification and reference to U.L. testing.</li><li>B. Store materials off ground, under cover and away from damp surfaces and keep material dry at all times.</li><li>C. Protect liquid adhesive from freezing.</li></ul> <p><b>1.06 Alternatives:</b></p> <ul style="list-style-type: none"><li>A. A request for alternate products must be made in writing by a bidding General Contractor not less than 10 days prior to bid for written approval of the Architect. All requests must include documentation as outlined in this specification and meet all requirements therein. A product sample not less than 12" x 12" must accompany each request.</li></ul> <p><b>PART 2- PRODUCTS</b></p> <p><b>2.01 Acceptable Manufacturers:</b></p> <p>International Cellulose Corporation 12315 Robin Boulevard Houston, Texas 77045 (713) 433-6701 or (800) 444-1252 FAX: (713) 433-2029</p> <p><b>2.02 Materials:</b></p> <ul style="list-style-type: none"><li>A. K-13 Spray-On Systems. Color shall be _____ or as indicated in the schedule.<ul style="list-style-type: none"><li>1. Thermal Resistance values: R=.22, R=4.54, per inch ASTM C-177.</li><li>2. Bond strength must exceed 10 times weight of product @ 1".</li><li>3. The sprayed insulation must have been tested in sprayed form by U.L. and have each bag labeled with the reference to U.L. test results according to ASTM E-84/U.L. 723:</li></ul></li></ul>
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<ul style="list-style-type: none"> <li>a. Tested at a minimum of 4” thickness, Class 1(A)</li> <li>b. Flame Spread 15</li> <li>c. Smoke Developed 0</li> </ul> <ol style="list-style-type: none"> <li>1. The sprayed insulation must meet appropriate building code requirements.</li> <li>2. The sprayed insulation must have been tested and listed by the Environmental Protection Agency.</li> <li>3. The sprayed insulation must meet ASTM E-1042.</li> <li>4. NRC rating .75 at 1” on solid backing.</li> <li>5. Non corrosive per UMB-80.</li> <li>6. One Hour Rating per ASTM E-119 Full Scale Test Procedure.</li> </ol> <p>C. Abrasion Resistant Sprayed Protective Coating ProTek-13 Manufactured By International Cellulose Corporation.</p> <ol style="list-style-type: none"> <li>1. The protective coating shall have a flame spread rating not to exceed 5 when tested in accordance with ASTM E-84.</li> </ol> <p><b>PART 3 – EXECUTION</b></p> <p><b>3.01 Inspection- Preparation- Installation:</b></p> <ol style="list-style-type: none"> <li>A. The installing contractor shall examine all surfaces and report all unsatisfactory conditions in writing to the General Contractor and Architect. The work shall not proceed until unsatisfactory conditions are corrected.</li> <li>B. Provide masking, drop cloths or other satisfactory coverings for all materials/surfaces which are not to receive insulation so as to prevent damage from overspray.</li> <li>C. Surface Preparation- Surfaces to receive spray insulation shall be inspected prior to application to determine if priming/sealing is required to insure bonding and/or to prevent discoloration caused by substrate bleed through. Prime accordingly.</li> <li>D. Installation of the Protective Coating <ol style="list-style-type: none"> <li>1. The sprayed insulation to receive the protective coating ProTek-13 shall be fully cured prior to installing the coating.</li> <li>2. Contractor shall install coating as per manufacturer’s instructions.</li> </ol> </li> </ol>	<ol style="list-style-type: none"> <li>3. Provide masking, drop cloths or other satisfactory coverings for all materials/surface which are not to receive protective coating ProTek-13 so as to prevent damage from overspray.</li> </ol> <ol style="list-style-type: none"> <li>E. The work shall be coordinated with other trades whose work may be affected or have an effect on the installation of the sprayed cellulose fiber, or the sprayed protective coating ProTek-13.</li> <li>F. Installation, clean-up and curing shall be accomplished according to the manufacturer’s recommendations and common construction standards.</li> </ol> <p><b>3.02 Protection:</b></p> <ol style="list-style-type: none"> <li>A. Protect finished installation under provision of section 01500 and 01535.</li> </ol> <p><b>3.03 Schedule:</b></p> <ol style="list-style-type: none"> <li>A. Provide a schedule when insulation requires listing by thickness, insulation value, NRC values and other attributes.</li> </ol>
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