

Section 76 – ADHESIVE COMPOUNDS, TWO COMPONENT FOR SEALING WIRE AND LIGHTS IN PAVEMENT AND SAW  
KERF  
(FAA P-606)

Black text – from standard FAA spec

Blue text – additions to FAA standard spec

~~Strikeout text~~ – deletions from FAA standard spec

Red text – notes to the Engineer/won't appear in spec

**I. DESCRIPTION**

A. GENERAL

1. This specification covers two types of adhesive material
2. Saw kerf in existing concrete
3. Conduit to be installed in saw kerf

**II. EQUIPMENT AND MATERIALS**

A. CURING

1. Materials shall cure at temperatures of 45°F

B. STORAGE

1. Shall not be stored at temperatures over 86°F

C. CAUTION

1. Use in accordance with the manufacturer's recommended procedures

D. CHARACTERISTICS

1. Materials shall have the properties shown in Table 1

E. CONDUIT

1. Shall be 2" rigid galvanized steel conduit

**III. CONSTRUCTION METHODS**

F. SAW KERF

1. Contractor shall provide 6" deep by 4" wide saw kerf

**IV. SAMPLING, INSPECTIONS, AND TEST PROCEDURES**

G. TENSILE PROPERTIES

1. Shall be conducted in accordance with ASTM D 638

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H. EXPANSION

1. Shall be conducted in accordance with ASTM D 1168

I. TEST FOR DIELECTRIC STRENGTH

1. Shall be conducted in accordance with ASTM D 149

**TABLE 1 – PROPERTY REQUIREMENTS**

J. TEST FOR ARC RESISTANCE

1. Shall be conducted in accordance with ASTM D 495

K. TEST FOR ADHESION TO STEEL

1. Shall be tested to failure on a Riehle

L. ADHESION TO PORTLAND CEMENT CONCRETE

1. Concrete Test Block Preparation
2. Bond Test

**TABLE 2 – AGGREGATE FOR BOND TEST BLOCKS**

M. COMPATIBILITY WITH ASPHALT CONCRETE

1. Shall be in accordance with ASTM D 5329

N. ADHESIVE COMPOUNDS – CONTRACTOR'S RESPONSIBILITY

1. Contractor shall furnish the vendor's certified test reports

O. APPLICATION

1. Adhesive shall be applied on a dry, clean surface

**V. METHOD OF MEASUREMENT**

1. Conduit in saw kerf shall be measured by the number of linear feet
2. Saw cutting, and adhesive compounds shall be included in unit price

**VI. BASIS OF PAYMENT**

1. Payment will be made at the contract unit price

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**VII. MATERIAL REQUIREMENTS**

1. ASTM C 192
2. ASTM D 149
3. ASTM D 495
4. ASTM D 638
5. ASTM D 1168
6. ASTM D 5329

**END OF SECTION 76**