



CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
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DISTRIBUTION ENGINEERING, CABLE SYSTEMS

**SPECIFICATION EO-100023
REVISION 37
APRIL 2012**

**PURCHASE RECOMMENDATION FOR
DUCT SEALING COMPOUNDS**

FILE: PURCHASE AND TEST STANDARDS MANUAL NO. 6

TARGET AUDIENCE	DISTRIBUTION ENGINEERING REGIONAL ENGINEERING
NESC REFERENCE	ALL SECTIONS

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PURCHASE RECOMMENDATION FOR DUCT SEALING COMPOUNDS

1.0 PURPOSE

This purchase recommendation covers duct sealing compounds used on the underground electric distribution system.

2.0 GENERAL

Duct sealing compounds covered under this specification shall meet the requirements of [EO-5089](#). All duct sealing compounds must be applied as per [EO-6217-C](#).

3.0 APPROVED MANUFACTURERS

3.1 Standard Mastic Type Duct Sealing Compounds (Stock # 631-0072)

The following duct sealing compounds shall be used to seal conduits installed at a depth of 5'-0" or less below grade:

3.1.1 Uniseal SE-411F; Uniseal Inc.

3.1.2 Ducteez 109-S, Ramtec

3.2 Special Duct Sealing Foams

The following special duct sealing foams shall be used to seal conduits installed deeper than 5'-0" below grade, and for sealing ducts entering a 265/460 volt vault installation:

3.2.1 DUO-FILL 400; Todol Products Inc.

3.2.2 3-6548 RTV Silicone Foam – Dow Corning

3.2.3 FST-180-KIT Duct Sealant, American Polywater Corp.

3.2.4 FST-250-KITW Duct Sealant & ETS-2000 Applicator Gun,
American Polywater Corporation

3.2.5 Ductolox 419 with Polytet Flame Proof Material, Arjunox Corp.

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3.2.4 Ductolox 431 with Polytet Flame Proof Material (For use with ducts having active water leaks), Arjunox Corp.

3.3 Quickset Sealing Compound

The following quickset sealing compound shall be used to seal conduits experiencing heavy water flow.

3.3.1 Compound Patching Quickset 1 gal container Class & Stock 000-0612

4.0 PACKAGING

4.1 Standard mastic type duct sealing compounds shall be packaged in 5 lbs. units.

4.2 Special duct sealing foams shall be made available in a kit. The kit shall include materials and accessories as described in the stock description.

4.3 Directions for mixing and/or application of the product shall be affixed to the packaging or container. Manufacturer's identification and date of manufacture, including expiration date, if applicable, shall be printed on each package.

5.0 ALTERNATIVE PRODUCTS

Alternative duct sealing materials may be submitted to the Electrical Distribution Engineer for evaluation. Should such materials be found acceptable, they will be included in the subsequent revisions of this purchase recommendation.

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REVISION 37:

Added Ducteez 109-S mastic type duct sealing compound and Ductolox 419 and 431 foam sealants.

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