



## PVC ELECTRICAL NONMETALLIC TUBING AND FITTINGS<sup>1</sup>

### LETTER OF COMPLIANCE

#### Scope:

This letter of compliance covers requirements for ½” through 2” (16 mm – 53 mm) PVC **Kwikon** Electrical Nonmetallic Tubing and Fittings. These products meet or exceed performance standards set by CSA International (CSA), the National Electrical Manufacturers Association (NEMA), Underwriters’ Laboratories of Canada (ULC), and Underwriters Laboratories Inc. (UL).

**Kwikon** Electrical Nonmetallic Tubing and Fittings are suitable for use in low and high rise residential and commercial applications, institutional applications such as prisons, schools and universities, non-patient care areas of hospitals and nursing homes, stadiums and arenas, and street lighting.

#### Material:

PVC Poly(Vinyl Chloride) used in the manufacturing of **Kwikon** Electrical Nonmetallic Tubing and Fittings is compounded to give superior physical properties in the finished product.

#### ENT Tubing:

**Kwikon** Electrical Nonmetallic Tubing conforms to the following standards:

CSA C22.2 No. 227.1 “*Electrical Nonmetallic Tubing*”

NEMA TC 13 “*Electrical Nonmetallic Tubing*”

UL 1653 “*Electrical Nonmetallic Tubing*”

**Note:** **Kwikon** Electrical Nonmetallic Tubing may be assembled to all approved Couplings, Fittings and Boxes.

#### Molded Fittings:

**Kwikon** Fittings conform to the following standards:

CSA C22.2 No. 227.1 “*Electrical Nonmetallic Tubing*”

UL 514B “*Fittings for Cable and Conduit*”

**Note:** **Kwikon** Fittings may also be solvent welded to rigid PVC conduit. Conduit fittings may also be solvent welded to Kwikon ENT and to all other approved tubing.

#### Molded Slab Boxes:

**Kwikon** Slab Boxes conform to the following standards:

CSA C22.2 No. 18 “*Outlet Boxes, fittings and Associated Hardware*”

CSA C22.2 No. 85 “*Rigid PVC Boxes and Fittings*”

CSA C22.2 No. 227.1 “*Electrical Nonmetallic Tubing*”

CSA C22.2 No. 227.2 “*Flexible Liquid-Tight Nonmetallic Conduit*”

UL 514C “*Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers*”

UL 1660 “*Liquid-Tight Flexible Nonmetallic Conduit*”

**Note:** **Kwikon** Slab Boxes are concrete tight and are approved for use with ½”, ¾” and 1” ENT and Rigid PVC Conduit. They are also approved for use with ceiling fans up to 35 lbs. and luminaires up to 50 lbs.

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<sup>1</sup> Products are manufactured by IPEX Electrical Inc.

**Special Ratings and Approvals:**

**Kwikon** Electrical Nonmetallic Tubing and Fittings have been investigated for use in a two-hour non load-bearing wall and partition assembly. The report concludes the wall assemblies with Kwikon ENT and Kwikon fittings will provide a 2-hour resistance to the passage of flame and the dangerous transmission of heat.

UL File: E122659 (Electrical Nonmetallic Tubing) (FKHU)

UL File: E119384 (Electrical Nonmetallic Tubing, Fittings) (FKKY)

The wall and partition construction covered by this report is intended for use in building construction where a two-hour fire restriction rating is required.

UL File: R19226 (Outlet Boxes and Fittings Classified for Fire Resistance) (CEYY)

This report covers UL approved Slab Boxes intended for fixture support for use in fire resistance floor-ceiling assemblies. The assemblies are to be constructed with normal weight concrete having a minimum of 2-1/8 in. of concrete cover over the top of the box and with 2 hours or less classification periods. The report also covers assemblies with 2-3/8 in. of concrete cover over the top of the box and for classifications periods between 2 hours and 4 hours.

**Kwikon** Electrical Nonmetallic Tubing meets the requirements of CSA Standard C22.2 No. 211.0 "*General Requirements and Methods of Testing for Nonmetallic Conduit*" Clause 6.16 for the vertical flame test (FT-4).

**Markings:**

**Kwikon** Electrical Nonmetallic Tubing and Fittings are marked as prescribed in the above standards where applicable.

**For questions related to these products, please contact your  
local IPEX Electrical Customer Service Representative.**

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