

Insulating Rubber Products

General Info

Insulating Rubber Products are essential to the safety of electrical workers. These items are designed primarily to prevent shock and electrocution.

OSHA Standard 29 CFR 1910.137 provides the design requirements and in-service care and use requirements for electrical insulating gloves and sleeves as well as insulating blankets, matting, covers, and line hose.

As an accredited NAIL for PET laboratory, Cementex has the ability to provide both products and services to help keep qualified electricians in compliance with OSHA requirements and most importantly - SAFE.

All rubber products from Cementex are electrically tested and ready to be placed into service. A "Plain English" stamp (shown below) identifies the date of testing and the maximum use voltage of the item.



ID Tag	Class	AC Proof Test Voltage	AC Max Use Voltage	DC Proof Test Voltage	DC Max Use Voltage*
Beige	00	2,500	500	10,000	750
Red	0	5,000	1,000	20,000	1,500
White	1	10,000	7,500	40,000	11,250
Yellow	2	20,000	17,000	50,000	25,500
Green	3	30,000	26,500	60,000	39,750
Orange	4	40,000	36,000	70,000	54,000

OSHA Table I-4 Identifies test voltages.

*Each glove and sleeve has a colored ID Tag labelled noting class and maximum voltage for which the glove may be used.

Rubber Insulating Equipment	When to Test	Governing Standard for Test Voltage
Blankets	Before first issue; every 12 months thereafter†	ASTM F 479
Covers	If insulating value is suspect	ASTM F 478
Gloves	Before first issue; every 6 months thereafter	ASTM F 496
Line Hose	If insulating value is suspect	ASTM F 478
Sleeves	Before first issue; every 12 months thereafter	ASTM F 496

OSHA Table I-5 Identifies test intervals.

*If the insulating equipment has been electrically tested but not issued for service, the insulating equipment may not be placed into service unless it has been electrically tested within the previous 12 months.



Insulating Gloves

Manufactured using natural rubber in ISO manufacturing facilities, rubber insulating gloves provided by Cementex are compliant with OSHA 1910.137, OSHA 1910.268, NFPA 70E, CSA Z462, and exceed the ASTM D120 and European EN60903 standards for use around Electrical Hazards and Arc Flash Protection.

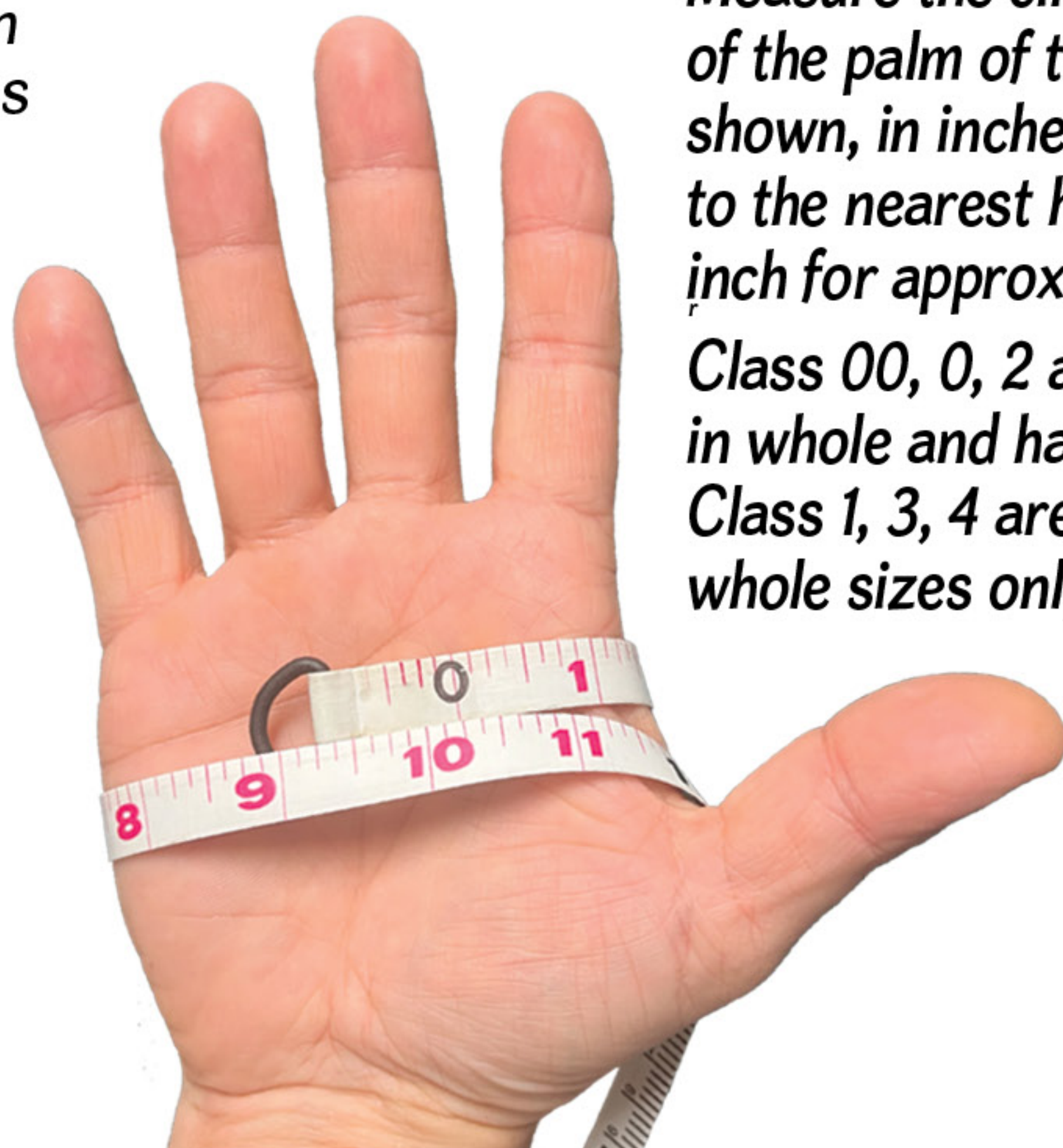
These gloves are made of natural rubber construction offering the required dielectric properties combined with flexibility, strength, and durability. Gloves feature rolled cuffs and are anatomically shaped thereby reducing hand fatigue. Each glove is chlorinated for maximum comfort. All classes of gloves are available in whole sizes. Class 00, 0, and 2 are also available in half sizes in various color options.

OSHA Certification Requirements

All Cementex gloves ship tested and certified according to OSHA regulation 1910.137(b)(2)(xii) which states the employer shall certify that equipment has been tested in accordance with the requirements of paragraph (b)(2)(viii), (b)(2)(ix), and (b)(2)(xi) of this section. The certification shall identify the equipment that passed the test and the date it was tested.

Measure the circumference of the palm of the hand, as shown, in inches. Round up to the nearest half or whole inch for approximate sizing. Class 00, 0, 2 are available in whole and half sizes. Class 1, 3, 4 are available in whole sizes only.

Glove Kits Include: Insulating Rubber Gloves, TruFit Cinch Strap Protectors, and Cementex Canvas Storage Bag
 Glove Color may be specified by the addition of -B=Black, -R=Red, -Y=Yellow
 *color availability indicated



Insulating Rubber Gloves



IG00-11-9B

Class 00 GLOVES	DESC
IG00-11-(SIZE)	Class 00 - 500VAC/750VDC - 11" OAL (black)
Class 00 GLOVE KITS	DESC
IGK00-11-(SIZE)	Class 00 - 500VAC/750VDC - 11" OAL (black) (OAL=Overall Length)

Class 0 GLOVES	DESC
IG0-11-(SIZE)	Class 0 - 1,000VAC/1,500VDC - 11" OAL (red, black, yellow)
IG0-14-(SIZE)	Class 0 - 1,000VAC/1,500VDC - 14" OAL (black, yellow)
IG0-14-(SIZE)YB-SC	Class 0 - 1,000VAC/1,500VDC - 14" OAL Dual Color (yellow over black)
Class 0 GLOVE KITS	DESC
IGK0-11-(SIZE)	Class 0 - 1,000VAC/1,500VDC - 11" OAL (red, black, yellow)
IGK0-14-(SIZE)	Class 0 - 1,000VAC/1,500VDC - 14" OAL (black, yellow) (OAL=Overall Length)



IG0-11-9Y



IG0-11-9R



IG0-11-0B



IG0-14-9YB-SC



IG0-14-9B

Class 1 GLOVES	DESC
IG1-14-(SIZE).....	Class 1 - 7,500VAC/11,250VDC - 14" OAL (black, yellow)
IG1-14-(SIZE)YB-SC.....	Class 1 - 7,500VAC/11,250VDC - 14" OAL Dual Color (yellow under black)
IG1-16-(SIZE).....	Class 1 - 7,500VAC/11,250VDC - 16" OAL (black)

Class 1 GLOVE KITS	DESC
IGK1-14-(SIZE).....	Class 1 - 7,500VAC/11,250VDC - 14" OAL (black, yellow)
IGK1-16-(SIZE).....	Class 1 - 7,500VAC/11,250VDC - 16" OAL (black) (OAL=Overall Length)



Class 2 GLOVES	DESC
IG2-14-(SIZE).....	Class 2 - 17,000VAC/25,500VDC - 14" OAL (red, black, yellow)
IG2-16-(SIZE).....	Class 2 - 17,000VAC/25,500VDC - 16" OAL (black)
IG2-16-(SIZE)YB-SC.....	Class 2 - 17,000VAC/25,500VDC - 16" OAL Dual Color (yellow under black)
IG2-16-(SIZE)YB-BC.....	Class 2 - 17,000VAC/25,500VDC - 16" OAL Bell Cuff - Dual Color (yellow under black)
IG2-18-(SIZE)YB-CC.....	Class 2 - 17,000VAC/25,500VDC - 18" OAL Contour Cuff - Dual Color (yellow under black)

Class 2 GLOVE KITS	DESC
IGK2-14-(SIZE).....	Class 2 - 17,000VAC/25,500VDC - 14" OAL (red, black, yellow)
IGK2-16-(SIZE).....	Class 2 - 17,000VAC/25,500VDC - 16" OAL (black) (OAL=Overall Length)



Class 3 GLOVES	DESC
IG3-16-(SIZE).....	Class 3 - 26,500VAC/39,750VDC - 16" OAL (black)
IG3-16-(SIZE)YB-SC.....	Class 3 - 26,500VAC/39,750VDC - 16" OAL Dual Color (yellow under black)
IG3-16-(SIZE)YB-BC.....	Class 3 - 26,500VAC/39,750VDC - 16" OAL Bell Cuff - Dual Color (yellow under black)
IG3-18-(SIZE)YB-CC.....	Class 3 - 26,500VAC/39,750VDC - 18" OAL Contour Cuff - Dual Color (yellow under black)

Class 3 GLOVE KITS	DESC
IGK3-16-(SIZE).....	Class 3 - 26,500VAC/39,750VDC - 16" OAL (black) (OAL=Overall Length)



Class 4 GLOVES	DESC
IG4-18-(SIZE).....	Class 4 - 36,000VAC/54,000VDC - 18" OAL (black)
IG4-18-(SIZE)YB-SC.....	Class 4 - 36,000VAC/54,000VDC - 18" OAL Dual Color (yellow under black)
IG4-18-(SIZE)YB-BC.....	Class 4 - 36,000VAC/54,000VDC - 18" OAL Bell Cuff - Dual Color (yellow under black)
IG4-18-(SIZE)YB-CC.....	Class 4 - 36,000VAC/54,000VDC - 18" OAL Contour Cuff - Dual Color (yellow under black)

Class 4 GLOVE KITS	DESC
IGK4-18-(SIZE).....	Class 4 - 36,000VAC/54,000VDC - 18" OAL (black) (OAL=Overall Length)



Insulating Rubber Gloves

TruFit® Leather Protectors

Quality Leather protectors result in better dexterity, comfort, and a safer working conditions for qualified workers. This fact has driven Cementex to create our TruFit® Leather Protectors. By using only premium materials and a new, more ergonomic design, we have created a safe and comfortable solution to energized work requirements. The newly designed palm and 3D-fingers create a more conforming fit around rubber gloves, reducing hand fatigue and greatly improving dexterity.

To get the utmost protection and life from rubber gloves, leather protectors should always be worn over the rubber gloves, while in use.

Leather protectors are to be used for the mechanical protection of rubber gloves and shall not be used alone for electrical protection per ASTM F696.

Warning! Do not use leather protectors alone for protection against electric shock. Serious injury or death will result. Always use a properly rated insulating glove for the voltage being worked.

Arc Flash Protection - per NFPA 70E Rubber insulating gloves with protectors provide arc flash protection in addition to electric shock protection. Higher class rubber insulating gloves with protectors, due to their increased material thickness, provide increased arc flash protection.

TruFit® Low Voltage Leather Protectors are constructed of Premium Top Grain Goat Hide providing a soft, flexible feel and excellent protection.

- Whole Sizes 8-12 (complementary fit for associated half sizes)
- 10" Overall Length (OAL)
- Designed for use over Class 00 and Class 0 Insulating Rubber Gloves
- Cinch Strap style is standard for kits*

*transition based on inventory levels of elasticized style

TruFit® High Voltage Leather Protectors are constructed of Premium Top Grain Cow Hide providing a soft feel and our highest level of protection.

- Features Wrist Cinch Strap
- Whole Sizes 8-12 (complementary fit for associated half sizes)
- 12" Overall Length (OAL)
- Designed for use over Class 1, 2, 3 and 4 Insulating Rubber Gloves

PN_____DESC_____
 P0-10-(SIZE)*..... Class 00/0 - 10" OAL TruFit® Protector
 P0-10-(SIZE)CS... Class 00/0 - 10" OAL TruFit® Protector with Cinch Strap

P2-12-(SIZE)..... Class 1/2/3/4 - 12" OAL TruFit® Protector

*NOTE: TruFit® Protector without cinch strap will have limited sizes and quantities as we transition to cinch strap style only.



P0-10-9CS



P2-12-10 shown

Rubber Accessories

Glove Inflator

The Cementex Glove Inflator allows for simple, effective daily compliance. Physical inspection is just as important as your Dielectric Test! Do it the right way--inspect the entire glove tip to cuff and without breaking the bank!

OSHA 1910.137(c)(2)(ii)

Insulating equipment shall be inspected for damage before use each day and immediately following any incident that can reasonably be suspected of causing damage. Insulating gloves shall be given an air test along with visual inspection.

- Easy-to-use design
- Non-slip base
- Comply with ASTM F496 and NFPA 70E
- Includes velcro strap and storage bag

PN _____ DESC _____

CPGI..... Glove Inflator

CPGI-VS.... Replacement Velcro Strap



How to Use

Glove Talc

Cementex Gove Talc provides pure comfort

- No dangerous additives; designed for safe use with insulating goods.
- Will not damage Type I or Type II rubber.
- Absorbs moisture and perspiration
- Minimizes friction
- Prevents rubber from becoming 'sticky'

PN _____ DESC _____

CPGT-6SB..... 6 oz. Bottle

CPGT-12CB....Case of 6 oz. Bottles (12)

CPGT-1QC.....1 Quart Container (32 oz.)

CPGT-4QC.....Case of Quart Containers (4)

CPGT-1GC.....1 Gallon Bottle

CPGT-5GC.....5 Gallon Container



Glove Talc SDS



CPGT-6SB

Rubber Accessories