

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 hoses.

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.



Insulating Rubber General Info



OSHA Table I-4 Identifies test voltages.

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

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-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.

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

Insulating Gloves

Manufactured using natural rubber in ISO manufacturing facilities the rubber insulating gloves provided by Cementex Products Inc. 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. Gloves are available in whole sizes. Class 00, 0, and 2 are also available in half sizes.

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.

PN _____ DESC _____

IG00-11-(SIZE)..... Class 00 - 11" OAL (red, black, yellow)
IG00-14-(SIZE)..... Class 00 - 14" OAL (black, yellow)

IG0-11-(SIZE).....Class 0 - 11" OAL (red, black, yellow)
IG0-14-(SIZE).....Class 0 - 14" OAL (black, yellow)

IG1-14-(SIZE).....Class 1 - 14" OAL (black, yellow)
IG1-16-(SIZE).....Class 1 - 16" OAL (black, yellow)

IG2-14-(SIZE).....Class 2 - 14" OAL (red, black, yellow)
IG2-16-(SIZE).....Class 2 - 16" OAL (black, yellow)
IG2-18-(SIZE).....Class 2 - 18" OAL (black, yellow)

IG3-16-(SIZE).....Class 3 - 16" OAL (black only)

IG4-16-(SIZE).....Class 4 - 16" OAL (black only)



IG0-11-9Y



IG2-14-9B



Sizing: Measure the circumference of the palm as shown. Round up to the nearest whole number = SIZE
*Half sizes are designated as (SIZE)H(color).

Glove Color
- color may be specified by the addition of:
(B = Black), (R = Red),
(Y = Yellow)
after the (SIZE) in the part number



IGK2-14-9B

Glove Kits

Include Insulating Rubber Gloves, Protectors, and Canvas Storage Bag

PN _____ DESC _____

IGK00-11-(SIZE).... Class 00 - 11" OAL (red, black, yellow)
IGK00-14-(SIZE)... Class 00 - 14" OAL (black, yellow)

IGK0-11-(SIZE)..... Class 0 - 11" OAL (red, black, yellow)
IGK0-14-(SIZE)..... Class 0 - 14" OAL (black, yellow)

IGK1-14-(SIZE)..... Class 1 - 14" OAL (black, yellow)

IGK2-14-(SIZE)..... Class 2 - 14" OAL (red, black, yellow)
IGK2-16-(SIZE)..... Class 2 - 16" OAL (black, yellow)

IGK3-16-(SIZE)..... Class 3 - 16" OAL (black only)

IGK4-16-(SIZE)..... Class 4 - 16" OAL (black only)



Leather Protectors

Leather protectors are designed to be worn over insulating rubber gloves. They serve the purpose of providing mechanical protection for the rubber gloves as well as providing additional arc flash protection for the hands.



P2-12

P2

- Premium grain cowhide leather
- Kevlar sewn
- Straight, reinforced thumb
- Leather strap with quick release clasp along back of wrist
- one inch wide leather palm overlay
- used for Class 1, 2, 3 and 4 rubber insulating gloves



P0-10

P0-10

- Unlined goatskin leather
- Kevlar sewn
- Black woven cotton fabric hem
- Straight, reinforced thumb
- Inside elastic strip along the back of the wrist
- one inch wide leather palm overlay
- used for Class 00 and 0 rubber insulating gloves

PN	DESC
P0-10-(SIZE)	Class 00/0 - 10" OAL
P0-10-(SIZE)CS	Class 00/0 - 10" OAL with strap
P2-12-(SIZE)	Class 1/2/3/4 - 12" OAL
P2-14-(SIZE)	Class 1/2/3/4 - 14" OAL
P2-15-(SIZE)	Class 1/2/3/4 - 15" OAL
P2-16-(SIZE)	Class 1/2/3/4 - 16" OAL

Glove Liners

Used for added comfort, sizing adjustment, and moisture control, glove liners are a small addition that can make a big difference in usability.

PN	DESC
COTGLV	10" Cotton



COTGLV

Canvas Storage Bags

Leave nothing to chance with the #1 insulating rubber product accessory. Canvas storage bags provide a secure location to protect your insulating equipment from potentially damaging and deteriorating agents.

PN	DESC
CGB12	12" Glove Storage Bag with Snap Closure
CGB16	16" Glove Storage Bag with Dual Snap Closure
CGB20	20" Glove Storage Bag with Dual Snap Closure
ST-SLVB	Sleeve Storage Bag with Dual Snap Closure



Protectors, Liners, Bags

Glove Inflator

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.

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!

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



PN _____ DESC _____
 CPGI..... Glove Inflator
 CPGI-VS.... Accessory Velcro Strap



CPGI

Glove Talc

Pure comfort - no dangerous additives; designed for safe use with insulating goods. Will not damage Type I or Type II rubber.

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



CPGT-6SB

Rubber Accessories

Rubber Goods Cleaner

Cleanliness promotes safety. Encourage both with proper cleaning products that will not damage sensitive rubber goods.

PN _____ DESC _____
 CPIGC.....1 Gallon Liquid Cleaner
 CPGW-72D6.. Rubber Goods Wipes (Case)



Hand Cleaners

Get the "clean" you require without damaging material that can be in those harsh cleansers.

PN _____ DESC _____
 CPHC-16SC... 16 oz. Bottle
 CPHC-12CC... Case of 16 oz. Bottles (12)
 CPTOWELS... Hand Cleaner Towelettes

Insulating Rubber Apron

Insulating Rubber Aprons were designed initially for work on and around Battery storage systems where technicians must regularly reach over energized conductors to perform standard maintenance.

Utilizing Cementex Class 0 Roll Blankets as the base material, these aprons are made from high-strength, fabric-reinforced Type II rubber. This rubber is highly puncture- and tear-resistant, as well as flame-(self-extinguishing), oil-, and ozone-resistant.

Designed, manufactured, and tested in the USA in strict accordance to current ASTM F2320 specifications.



PN _____ **DESC** _____
 APRON-0.....Class 0 Shock Protection Apron

Insulating Rubber Sleeves

Manufactured using natural rubber in ISO manufacturing facilities the rubber insulating sleeves provided by Cementex Products Inc. are compliant with OSHA 1910.137, OSHA 1910.268, NFPA 70E®, CSA Z462, and exceed the ASTM D1051 standards for use around Electrical Hazards and Arc Flash Protection.

These sleeves offer the required dielectric properties combined with flexibility, strength, and durability. Sleeves are anatomically shaped thereby providing optimal comfort and range of motion. Sleeves are chlorinated for maximum comfort. Available in Regular, Large, and Extra Large in varying colors.

Insulating Rubber Sleeves share the colored Class Identification tags noted for Insulating Rubber Gloves.

Sleeve Kits Include: Insulating Rubber Sleeves, Sleeve Straps and Buttons, and Sleeve Bag.

SLV2



SLVSTP-8POS



PN _____	DESC _____
SLV0-(SIZE).....	Class 0 Sleeves Only
SLVK0-(SIZE).....	Class 0 Sleeve Kit
SLV1-(SIZE).....	Class 1 Sleeves Only
SLVK1-(SIZE).....	Class 1 Sleeve Kit
SLV2-(SIZE).....	Class 2 Sleeves Only
SLVK2-(SIZE).....	Class 2 Sleeve Kit
SLVSTP-2.....	Sleeve Straps: 2" X 15" (1 Pair)
SLVSTP-8POS.....	Sleeve Straps: 8 Position Adjustable (1 Pair)
SLVBUT-4.....	Sleeve Buttons (4 Pair)
SLVHB-2.....	Sleeve Harness with Buttons (1 Pair)

Apron - Sleeves

Low Voltage Insulating Blankets

Superior quality dielectric blankets are designed, manufactured, and tested in the USA in strict accordance to current ASTM D1048 specifications.

All Blankets measure 3' X 3'. The Class Identification voltage rating is the same as Insulating Rubber Gloves but there is no colored identification tag.

Class 0 and Class 4 Blankets are both Type II: made of ozone-resistant EPDM synthetic rubber.

Class 2, Type I Blanket is made of natural rubber.

Blanket Kits Include: Blanket Clamp Pins (Pair) and Canister (BLK-SC7)



BLK-C0



BLK-C4



BL-C4

PN	DESC
BL-C0.....	Class 0 No Eyelets (Yellow)
BLK-C0.....	Class 0 Blanket Kit
BL-C2.....	Class 2 6 Eyelets (Black)
BLK-C2.....	Class 2 Blanket Kit
BL-C4.....	Class 4 6 Eyelets (Orange)
BLK-C4.....	Class 4 Blanket Kit
BL-C4-SLT.....	Class 4 Split 28 Eyelets (Orange)
BLK-C4-SLT..	Class 4 Split Blanket Kit
BL-CLP.....	Blanket Clamp Pins (Pair)
BL-CLP-HS....	Hot Stick Blanket Clamp Pins (Pair)
BL-MBT.....	Magnetic Blanket Button
BL-PNS.....	Two Way Button
BL-VBS.....	Velcro Blanket Straps
BLK-SC4.....	4-1/2" I.D. Blanket Canister
BLK-SC6.....	6" I.D. Blanket Canister
BLK-SC7.....	7" I.D. Blanket Canister
BLK-SC7H.....	7" I.D. Blanket Canister with Handle
BLK-SC10H....	10" I.D. Blanket Canister with Handle

*I.D. = Inside Diameter

Insulating Blankets



BL-C4-SLT

Roll Blankets

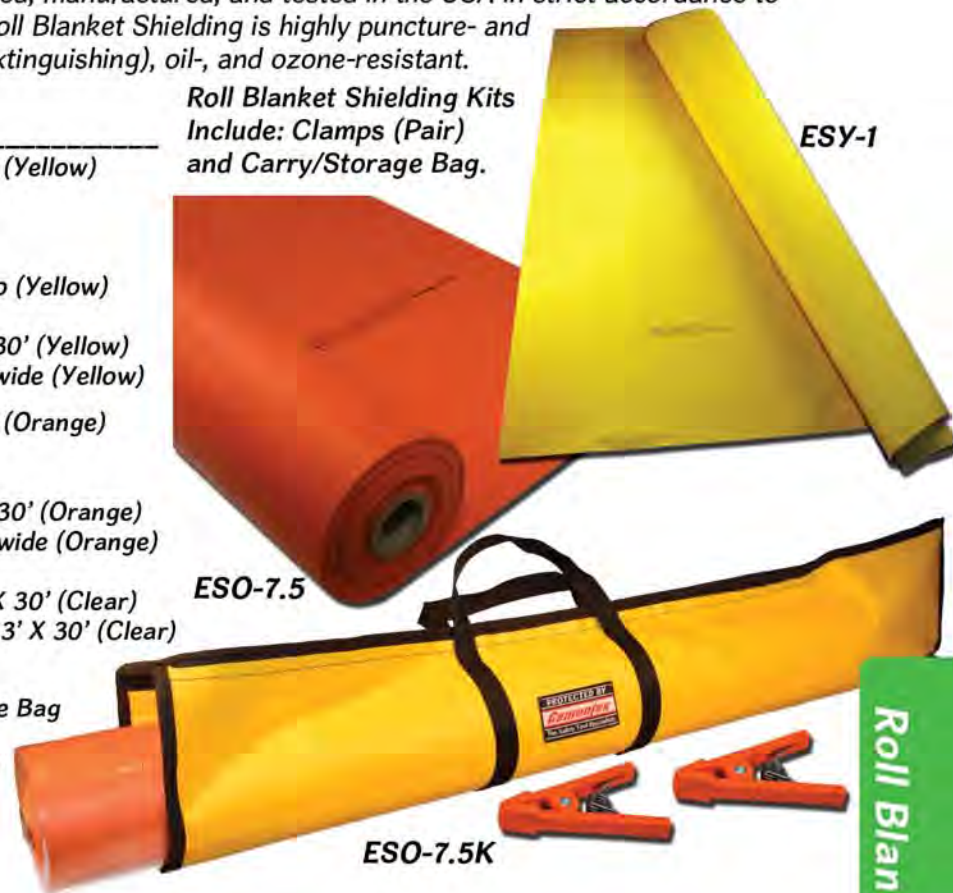
Made from high-strength, fabric-reinforced Type II rubber, Cementex Roll Blankets allow custom-cut fit for each application at the job site. Designed, manufactured, and tested in the USA in strict accordance to current ASTM F2320 specifications. Roll Blanket Shielding is highly puncture- and tear-resistant, as well as flame-(self-extinguishing), oil-, and ozone-resistant.

PN	DESC
ESY-1.....	Class 0 Full Roll: 3' X 30' (Yellow)
ESY-1-22X36..	Class 0 22" X 3' (Yellow)
ESY-1-2X3.....	Class 0 2' X 3' (Yellow)
ESY-1-3X3.....	Class 0 3' X 3' (Yellow)
ESY-1-3X3V....	Class 0 3' X 3' with Velcro (Yellow)
ESY-1-3X5.....	Class 0 3' X 5' (Yellow)
ESY-1K.....	Class 0 Full Roll Kit: 3' X 30' (Yellow)
ESY-1RF.....	Class 0 By the foot* X 3' wide (Yellow)
ESO-7.5.....	Class 1 Full Roll: 3' X 30' (Orange)
ESO-7.5-3X3..	Class 1 2' X 3' (Orange)
ESO-7.5-3X5..	Class 1 3' X 3' (Orange)
ESO-7.5K.....	Class 1 Full Roll Kit: 3' X 30' (Orange)
ESO-1RF.....	Class 1 By the foot* X 3' wide (Orange)
PVC-7.5.....	Class 1 PVC Full Roll: 3' X 30' (Clear)
PVC-7.5K.....	Class 1 PVC Full Roll Kit: 3' X 30' (Clear)
ES-CLAMP.....	ElectroShield Clamp (Pair)
ES-CSB.....	ElectroShield Carry/Storage Bag



*Remnant Foot lengths are limited to available remnant inventory.

Roll Blanket Shielding Kits Include: Clamps (Pair) and Carry/Storage Bag.



Roll Blankets - Matting

Switchboard Matting

Switchboard matting is rubber matting designed to insulate workers in high voltage areas. It is used as a floor covering to prevent shock around high voltage electrical apparatuses, fuse boxes, switchgear, control panels, and heavy machinery. This matting meets and exceeds the parameters of ASTM D178. This matting is Type I Natural rubber which is non-oil resistant, non-ozone resistant, and non-flame retardant.

Switchboard Matting is available in a number of custom-cut size variations. Full rolls of Class 1, 2, and 3 measure: 36" Wide X 75' Long. Full rolls of Class 4 measure: 36" Wide x 60' Long. Thicknesses vary based on class (see descriptions below).

PN	DESC
CPSM316-(SIZE).....	Class 1 3/16" Corrugated (Black)
CPSMDP316-(SIZE)..	Class 1 3/16" Diamond Plate (Black)
CPSM140-(SIZE).....	Class 2 1/4" Corrugated (Black)
CPSM380-(SIZE).....	Class 3 3/8" Corrugated (Black)
CPSM120-(SIZE).....	Class 4 1/2" Corrugated (Black)
ESD3658.....	25mm Electrostatic Discharge Mat (36" X 58")

