



Euclid Garment Manufacturing Co.



Photo: Todd Communications, Las Vegas, NV

Euclid Garment Mfg. Co.

P.O. Box 550

Kent, OH 44240 USA

Tel: (330) 673-7413 Fax: (330) 673-0228

Website: www.euclidgarment.com email: sales@euclidgarment.com



KW-GARD™ - RF Compliance Apparel

With the ongoing enforcement of the FCC Guidelines and OSHA regulations regarding Radio-Frequency Exposure, the issue of compliance has brought about an increasing need for RF Protection on broadcast, telecommunication towers and rooftop antenna sites to ensure worker safety.

Accepted by the FCC and OSHA for use as an effective means of compliance, KW-GARD™ RF protective garments provide a cost-effective and reliable means of access to RF environments that are considered to exceed FCC and OSHA limits. Only KW-GARD™ offers the highest shielding effectiveness available. Unlike other RF garments, KW-GARD™ shielding effectiveness is uniform regardless of its orientation to the incident RF field.

KW-GARD™ performance is supported by several independent evaluations and analysis. All results of these evaluations are published and available on our website.

Product Information



KW-GARD™ is sold as a "set", which includes a coverall, hood, knee high socks and elbow length gloves packed in a versatile carrying bag.

C-3473-9	Industrial Grey Coverall
H-3473-9	Industrial Grey Hood
KW-13-38-811E	Grey Knitted Elbow-length Gloves, one size fits all
KW-28-38-911K	Grey Knitted Knee high Socks, one size fits all
BAG-2064-2	Black Nylon Carrying Bag

Above items may also be purchased individually.
Euclid maintains an inventory on-hand for immediate delivery.



The ergonomic design of the coverall, hood, socks and gloves has been the result of working with actual tower climbers and RF professionals, giving special consideration to "pull areas" at the armpits and crotch areas. KW-GARD™ products are 100% American-made and are "sized" accordingly.

Coverall Size:	Medium	Large	X-Large	2X-Large
Chest (inches)	42	46	50	54

*Custom sizes and products are available, please contact us.



C-3473-9



Coverall enhancements include pockets that were carefully considered and precisely placed to allow the wearer easy access especially when wearing a climbing harness. Convenient zipper and Velcro® closures at the ankles and cuffs prevent snags while climbing, helping to assure the wearer's safety.



The removable hood fits conveniently over a standard hardhat and provides maximum peripheral visibility through a stainless steel screen for safe operation and comfort. A special Velcro® mechanism inside the hood assists in keeping the hood properly placed as you turn your head. A unique system of Velcro® and zipper attachments secures the hood to the coverall. The hood is not required to be worn in all RF environments (see ratings chart).

H-3473-9



Extra long elbow length gloves are one size fits all. Composed of a fine blending of yarns and knitted for a necessary dexterous fit.

KW-13-38-811E



Socks are one size fits all. Jersey knit with an elastic rib calf. A special blend of Nomex®, stainless steel, cotton terry and rubber provide for a comfort necessary to wear the socks for long hours. Knee high for additional protection.

KW-28-38-911K



Black nylon carrying bag with durable zipper closure will easily hold your coverall & accessories with room to spare! The handles are sewn to fit in your hand comfortably. A convenient nameplate window allows for personal identification. Also enclosed inside is a detachable laminated instruction card.

BAG-2064-2

Accessories



Euclid offers a convenient optional RF Suit Repair Kit. Included is special conductive tape for on-site emergency repairs, and all the materials necessary for making permanent repairs.

KW Repair Kit



Instructional Video – Provides detailed information on how to use, care and maintain your KW-GARD™ suit. Basic RF Suit safety procedures included!

KW Video



Euclid proudly offers the Narda Microwave Nardalert® XT8864 RF Personal Monitor, designed exclusively for use in conjunctions with KW-Gard™ RF Suits. This monitor comes ready to measure RF in environments in which only RF clothing should be worn. It's also programmable for use as a normal monitor for use without RF protection. Contact Euclid for more information.

KW Monitor

Nardalert® is a registered trademark of the L3-Narda Microwave Corporation, Hauppauge, NY

User Data & Information

The evaluation data that has been taken on the performance of KW-GARD™ has enabled Euclid to specify the following RF environments with respect to the FCC Guidelines.

The following Maximum Permissible Exposure (MPE) levels are adjusted for two distinct scenarios - use with and without the RF headgear. Using KW-GARD™ within these parameters will assure total compliance with these guidelines. For more information about the nature of potential RF Exposures/scenarios and for RF environments above 2 Ghz, consult Euclid.

<u>Configuration</u>	<u><500 MHz</u>	<u>500MHz-1 GHz</u>	<u>1-2 GHz</u>
Coverall Only	15X MPE	5X MPE	Hood Required
Coverall +Hood	20X MPE	20X MPE	20X MPE

As with ANY safety product, there are precautions to be taken while working in a RF environment. For full compliance to the FCC Guidelines, KW-GARD™ socks and gloves must be worn while working in environments below 300 MHz. This is for protection against induced currents.

The data on KW-GARD™ that has been provided are based on tests believed to be reliable. Any application not indicated herein or not sanctioned by Euclid Garment Mfg. Co. should be thoroughly tested such that satisfactory performance can be independently concluded before commercialization. Proper use of KW-GARD™ is the sole responsibility of the user, as neither Euclid, nor any of its agents, can control the conditions under which it is used.



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For Technical Support and Questions on KW-GARD™, contact Joe Amato

Phone: (631) 421-9507

email: kwinfo@euclidgarment.com