

INTERESTED IN OTHER GARMENTS?

When it comes to arc flash, we have you covered. These are only a few examples of the layering garments we have to offer. As always, a hazard risk assessment needs to be performed in order to fully understand your specific hazard and the protection it requires.

Contact our safety apparel experts for more detailed information on these and other PPE garments we have available by calling 800-553-0672 or emailing customerservice@thinkNSA.com.



LAYERING BASICS

WHAT IS LAYERING?

- Combining 2 or more arc rated garments into a layered system in order to achieve a higher level of arc protection.

WHY IS IT IMPORTANT?

- Layering can provide increased performance and comfort. Lightweight layers often achieve higher levels of protection than traditional solutions. Layering also allows for quick adjustments based on the level of protection needed for different tasks.

WHY CAN'T I ADD THE 2 ARC RATINGS TOGETHER?

- Layered systems need to be arc tested together. In arc flash 2 + 2 doesn't always equal 4. Always request test reports to have on file. If audited by OSHA you will need proof.

The arc rating of PPE shall exceed that of the hazard. System Arc Ratings only apply to the area where the garments overlap. For example, layering a coverall over a shirt the layered arc rating only applies to the area where the coverall covers the shirt. Bottom protection will also need to be taken into account.

All Arc Rating data is accurate as of April 1, 2019, but changes can occur. Call NSA at (800) 553-0672 or visit ThinkNSA.com for the latest Arc Rating Data.

OUTER LAYER

**ULTRASOFT®
WORK SHIRT**
SHRUK__RG
8.7 cal/cm²
CAT 2



INNER LAYER

**FR CONTROL 2.0™
LONG SLEEVE TEE**
C52JKSRLS__
4 cal/cm²
CAT 1



**EBT=
24 cal/cm²**

**8 CAL ULTRASOFT®
NAVY COVERALL**
C88UJ__--
8 cal/cm²
CAT 2



**FR CONTROL™
LONG SLEEVE TEE**
C51FRSRLS__
3.6 cal/cm²
CAT 1



**EBT=
23 cal/cm²**

**8 CAL ULTRASOFT®
NAVY COVERALL**
C88UJ__--
8 cal/cm²
CAT 2



**FR CONTROL 2.0™
LONG SLEEVE TEE**
C52JKSRLS__
4 cal/cm²
CAT 1



**EBT=
24 cal/cm²**

**VIZABLE® FR HI-VIS
WORK SHIRT**
SHRTV3C3__RG
8.9 cal/cm²
CAT 2



**FR CONTROL 2.0™
LONG SLEEVE TEE**
BSTJTRLSC3__
4 cal/cm²
CAT 1



**EBT=
26 cal/cm²**

**VIZABLE® FR HI-VIS
WORK SHIRT**
SHRTV3C3__RG
8.9 cal/cm²
CAT 2



**FR CONTROL 2.0™
LONG SLEEVE TEE**
C52JKSRLS__
4 cal/cm²
CAT 1



**EBT=
26 cal/cm²**

**VIZABLE® FR HI-VIS
WORK SHIRT**
SHRTV3C3__RG
8.9 cal/cm²
CAT 2



**DRIFIRE® LIGHTWEIGHT
LONG SLEEVE TEE**
DF2-CM-446LS
4.5 cal/cm²
CAT 1



**EBT=
25 cal/cm²**

OUTER LAYER

**12 CAL ULTRASOFT®
COVERALL**
C88UP_ _ _ _ _
12 cal/cm²
CAT 2



INNER LAYER

**TECGEN SELECT®
FR COVERALL**
TCG02_ _ 08_ _
8 cal/cm²
CAT 2



ATPV=
31 cal/cm²

**12 CAL ULTRASOFT®
COVERALL**
C88UP_ _ _ _ _
12 cal/cm²
CAT 2



**VIZABLE® FR
LONG SLEEVE TEE**
C54HYLSC3_ _ _
10 cal/cm²
CAT 2



ATPV=
33 cal/cm²

**12 CAL ULTRASOFT®
COVERALL**
C88UP_ _ _ _ _
12 cal/cm²
CAT 2



**VIZABLE® FR HI-VIS
WORK SHIRT**
SHRTV3C3_ _ RG
8.9 cal/cm²
CAT 2



ATPV=
35 cal/cm²

**12 CAL ULTRASOFT
COVERALL**
C88UP_ _ _ _ _
12 cal/cm²
CAT 2



**TECGEN SELECT®
FR WORK SHIRT**
TCG01_ _ 02_ _
8 cal/cm²
CAT 2



ATPV=
31 cal/cm²

**FR ULTRASOFT®
SHORT COAT**
C04UP03_ 32
12 cal/cm²
CAT 2



**TECGEN® FR
VENTED SHIRT**
SHRT5TGV_ _
8.9 cal/cm²
CAT 2



ATPV=
35 cal/cm²

**FR ULTRASOFT®
SHORT COAT**
C04UP03_ 32
12 cal/cm²
CAT 2



**TECGEN SELECT®
FR WORK SHIRT**
TCG01_ _ 02_ _
8 cal/cm²
CAT 2



ATPV=
31 cal/cm²

LAYER RATINGS

Layering Garments can increase Arc Flash ratings to levels greater than the sum of individual layers.

OUTER LAYER

**TECGEN CC™ FR
BUTTON DOWN
SHIRT**
SHR-DWWS02
9.3 cal/cm²
CAT 2



INNER LAYER

**FR CONTROL 2.0™
LONG SLEEVE TEE**
C52FKSRLS_ _ _
4 cal/cm²
CAT 1



EBT=
20 cal/cm²

**TECGEN CC™ FR
BUTTON DOWN
SHIRT**
SHR-DWWS02
9.3 cal/cm²
CAT 2



**TECGEN SELECT® FR
LONG SLEEVE TEE**
C541N_ _ LS_ _
13 cal/cm²
CAT 2



ATPV=
31 cal/cm²

**TECGEN CC™ FR
BUTTON DOWN
SHIRT**
SHR-DWWS03
12 cal/cm²
CAT 2



**FR CONTROL 2.0™
LONG SLEEVE TEE**
C52FKSRLS_ _ _
4 cal/cm²
CAT 1



EBT=
26 cal/cm²

**TECGEN® FR
VENTED SHIRT**
SHRT5TGV_ _
8.9 cal/cm²
CAT 2



**FR CONTROL 2.0™
LONG SLEEVE TEE**
C52JKSRLS_ _ _
4 cal/cm²
CAT 1



EBT=
26 cal/cm²

**TECGEN® FR
VENTED SHIRT**
SHRT5TGV_ _
8.9 cal/cm²
CAT 2



**DRIFIRE® LIGHTWEIGHT
LONG SLEEVE TEE**
DF2-CM-446LS
4.5 cal/cm²
CAT 1



EBT=
25 cal/cm²

OUTER LAYER

**TECGEN SELECT®
FR COVERALL**
TCG02__08__
8 cal/cm²
CAT 2

**INNER LAYER**

**DRIFIRE® FR HI-VIS
UTILITY SHIRT**
DF2-AX3-324LS-HY
12 cal/cm²
CAT 2



ATPV=
31 cal/cm²

OUTER LAYER

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2

**INNER LAYER**

**VIZABLE® FR
ULTRASOFT
WORK SHIRT**
SHRTD3C3__RG
9.2 cal/cm²
CAT 2



ATPV=
29 cal/cm²

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



**FR CONTROL 2.0™
LONG SLEEVE TEE**
BSTJTRLSC3__
4 cal/cm²
CAT 1



EBT=
19 cal/cm²

**TECGEN SELECT®
FR COVERALL**
TCG02__08__
8 cal/cm²
CAT 2



**ULTRASOFT®
WORK PANTS**
PNTUP__X__
12 cal/cm²
CAT 2



ATPV=
28 cal/cm²

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



**FR CONTROL 2.0™
LONG SLEEVE TEE**
C52FKSRLS__
4 cal/cm²
CAT 1



EBT=
19 cal/cm²

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



**FR CLASSIC COTTON
LONG SLEEVE
T-SHIRT**
C54PI_LS__
12 cal/cm²
CAT 2



ATPV=
32 cal/cm²

**TECGEN SELECT®
FR COVERALL**
TCG02__08__
8 cal/cm²
CAT 2



**TECGEN CC™ FR
BUTTON DOWN SHIRT**
SHR-DWWS02
9.3 cal/cm²
CAT 2



ATPV=
28 cal/cm²

**TECGEN SELECT®
FR COVERALL**
TCG0208__
8 cal/cm²
CAT 2



**VIZABLE® FR HI-VIS
WORK SHIRT**
SHRTV3C3__RG
8.9 cal/cm²
CAT 2



ATPV=
31 cal/cm²

**TECGEN SELECT®
FR COVERALL**
TCG02__08__
8 cal/cm²
CAT 2



**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



ATPV=
30 cal/cm²

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



**DRIFIRE® STRONGKNIT
LONG SLEEVE TEE**
DF2-AX3-793LSP-HY
8.1 cal/cm²
CAT 2



ATPV=
32 cal/cm²

**TECGEN SELECT®
FR COVERALL**
TCG0208__
8 cal/cm²
CAT 2



**TECGEN® FR
VENTED SHIRT**
SHRT5TGV__
8.9 cal/cm²
CAT 2



ATPV=
31 cal/cm²

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



**DRIFIRE® STRONGKNIT
LONG SLEEVE TEE**
DF2-793LS
8.1 cal/cm²
CAT 2



ATPV=
32 cal/cm²

OUTER LAYER

**TECGEN SELECT®
FR COVERAL**
TCG02__08__
8 cal/cm²
CAT 2

**INNER LAYER**

**DRIFIRE® FR HI-VIS
UTILITY SHIRT**
DF2-324LS-MB
12 cal/cm²
CAT 2



ATPV=
31 cal/cm²

OUTER LAYER

**HYDROLITE FR
EXTREME JACKET**
HYDROJACK
31 cal/cm²
CAT 2

**INNER LAYER**

**DRIFIRE LIGHTWEIGHT®
LONG SLEEVE TEE**
DFT-CM-446LS
4.5 cal/cm²
CAT 1



ATPV=
43 cal/cm²

**TECGEN SELECT®
FR COVERAL**
TCG02__08__
8 cal/cm²
CAT 2



**100% FR COTTON
LONG SLEEVE TEE**
C54V_LS
8.9 cal/cm²
CAT 2



ATPV=
33 cal/cm²

**HYDROLITE FR
EXTREME WEATHER
BIB OVERALL**
HYDROBIB
31 cal/cm²
CAT 3



**DRIFIRE LIGHTWEIGHT
LONG JOHN PANT**
DF2-446LP
8.9 cal/cm²
CAT 2



ATPV=
43 cal/cm²

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



**100% FR COTTON
LONG SLEEVE TEE**
C54V_LS
8.9 cal/cm²
CAT 2



ATPV=
33 cal/cm²

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



**VIZABLE® FR
LONG SLEEVE TEE**
C54HYLSC3__
10 cal/cm²
CAT 2



EBT=
25 cal/cm²

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



**DRIFIRE LIGHTWEIGHT®
LONG SLEEVE TEE**
DFT-CM-446LS
4.5 cal/cm²
CAT 1



EBT=
17 cal/cm²

**TECGEN SELECT®
FR COVERAL**
TCG0208__
8 cal/cm²
CAT 2



**VIZABLE® FR
LONG SLEEVE TEE**
C54HYLSC3__
10 cal/cm²
CAT 2



EBT=
25 cal/cm²

**TECGEN SELECT®
FR COVERALL**
TCG02__08__
8 cal/cm²
CAT 2



**DRIFIRE LIGHTWEIGHT®
LONG SLEEVE TEE**
DFT-CM-446LS
4.5 cal/cm²
CAT 1



EBT=
17 cal/cm²

**TECGEN SELECT®
FR WORK SHIRT**
TCG01__02__
8 cal/cm²
CAT 2



**VIZABLE® FR HI-VIS
LONG SLEEVE TEE**
TEEY2LSPC3
10 cal/cm²
CAT 2



ATPV=
26 cal/cm²

**TECGEN SELECT®
FR COVERAL**
TCG0208__
8 cal/cm²
CAT 2



**DRIFIRE LIGHTWEIGHT
LONG JOHN PANT**
DF2-446LP
8.9 cal/cm²
CAT 2



EBT=
17 cal/cm²

**TECGEN SELECT®
FR COVERALL**
TCG02__08__
8 cal/cm²
CAT 2



**VIZABLE® FR HI-VIS
LONG SLEEVE TEE**
TEEY2LSPC3
10 cal/cm²
CAT 2



ATPV=
26 cal/cm²