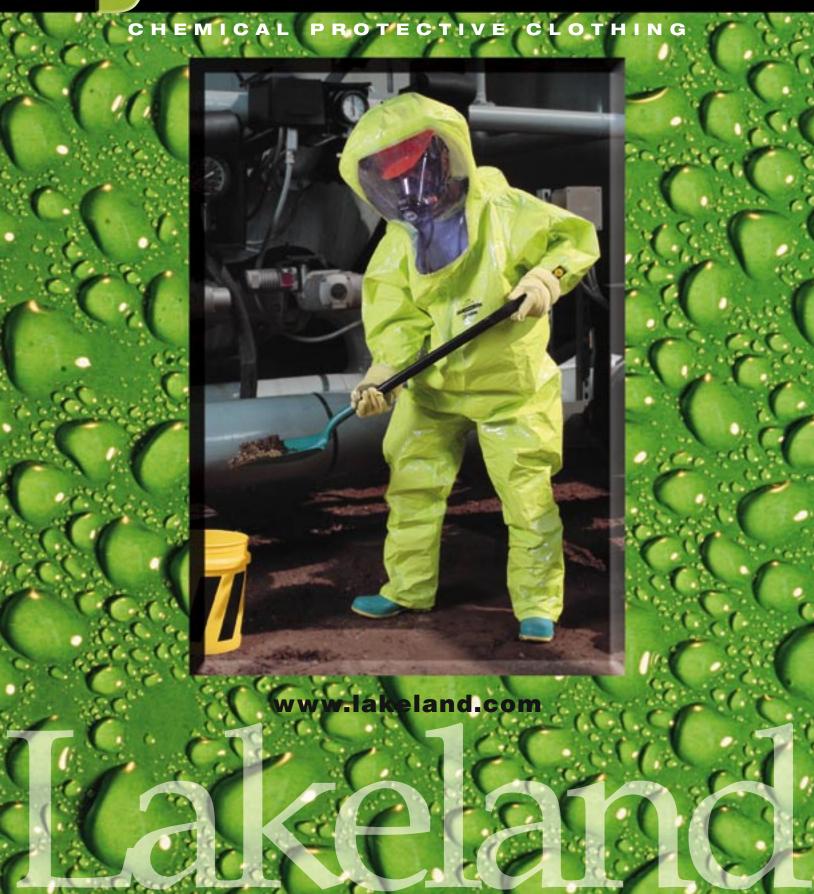
Tychem®TK



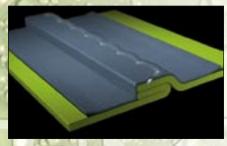
Tychem® TK. Superior Chemical Protective Clothing from Lakeland.

ychem[®] TK is the best protection you can wear in hazardous chemical environments. This line of chemical protective clothing is especially suited for protection against toxic, corrosive gases, liquids and solid chemicals. Developed by DuPont, Tychem[®] TK garments can be found in industrial, hazmat and domestic preparedness applications. They offer dependable protection with performance that has been proven over a wide range of chemicals.

Tychem[®] TK garments are extremely durable and puncture resistant. The chemical barrier properties of TK have been tested against 260 challenge chemicals. Permeation data proves the excellent protective capabilities of Tychem[®] TK. Lakeland's Tychem[®] TK garments are all lime-yellow in color, highly visible in both bright and dim light. Easily seen in hazy or smokey environments, this line-up of chemical protective clothing is the first line of defense in hazardous material situations.

Tychem® TK Physical Properties

Basis Weight (oz/yd²) ... 10.6 (ASTM D3776)
Thickness (mils) ... 26 (ASTM D1777)
Ball Burst (lbf) ... 187 (ASTM D3787)
Grab Tensile (lbf) ... 188/180 (ASTM D5034)*
Trap Tear (lbf) ... 53/52 (ASTM D5733)*
* MD/CD



Lakeland's Tychem® TK Level A and Level B Suits feature heat sealed seams. These seams are sewn and then sealed with a heat activated tape. This method ensures liquid-proof seams for maximum protection.



1-800-<mark>645-9291</mark> www.lakeland.com

PERMEATION DATA

Permeation data for ASTM recommended list of chemicals for evaluating protective clothing materials (ASTM F1001)

Chemical Name	Physical Phase	Normalized Breakthrough Time (min.)	Average Permeation Rate (µg/cm²/min)
Acetone	L	>480	<0.01
Acrylonitrile	L	>480	< 0.0003
Ammonia Gas	G	>480	<0.1
1, 3-Butadiene	G	>480	< 0.07
Carbon disulfide	L	>480	<0.02
Chlorine Gas	G	>480	< 0.02
Dichloromethane	L	>480	<0.03
Dimethyllamine	G	>480	< 0.05
N, N-Dimethylacetamide	L	>480	< 0.006
Ethyl Acetate	L	>480	< 0.06
Ethylene Oxide Gas	G	>480	<0.1
n-Hexane	L	>480	<0.01
Hydrogen Chloride	G	>480	<0.1
Methanol	L	>480	<0.1
Methyl chloride	G	>480	<0.02
Nitrobenzene	L	>480	<0.1
Sodium hydroxide, 50%	L	>480	<0.1
Sulfuric acid, 98%	L	>480	<0.1
Tetrachloroethylene	L	>480	<0.01
Tetrohydrofuran	L	>480	< 0.04
Toluene	L	>480	<0.02

> = greater than, < = less than

For specific permeation data and breakthrough times for other chemicals, contact the DuPont Protective Apparel Fax-On-Demand Service at 1-800-558-9329.

Permeation data for 595 Class/Subclass Chemical Warfare Agents

Agent	Common Name	CAS Number	Protocol	Avg. Breakthrough Time	Minimum Detectable Permeation (µg/cm²)
GA	Tabun	77-80-6	DN5	>12 hrs.	<0.0001
GB	Sarin	107-44-8	DN5 DN6	> 12 hrs. >12 hrs.	<0.0001 <0.00024
GD	Soman	99-64-0	DN 5 DN 6	>12 hrs. >12 hrs.	<0.0001 <0.0001
HD	Sulfur Mustard	505-60-2	DN3 DN4	> 12 hrs. > 12 hrs.	<0.0001 <0.2000
L	Lewisite	541-25-3	DN3 DN4	> 12 hrs. > 12 hrs.	<0.0060 <0.2000
VX	VX	50782-69-9	DN5 DN6	>12 hrs. >12 hrs.	<0.0001 <0.00024

> = greater than, < = less than

Fabric Test Protocols – All tests performed in triplicate for DuPont Nonwovens by an independant accredited laboratory at 22° C, 50% R.H.

Protocol DN3 - MIL STD-282, Method T-209 (HD) or modified for Lewisite, for 12 hours at 10 g/m².

Protocol DN4 - MIL STD-282, Method T-209 (HD) or modified for Lewisite, for 12 hours at 100 g/m² (Total coverage).

Protocol DN5 – MIL STD-282, Method T-209 (GB) or modified for GA, GD, and VX, for 12 hours at 10 g/m².

Protocol DN5 – MIL STD-282, Method T-209 (GB) or modified for GA, GD, and VX, for 12 hours at 100 g/m^2 (Total coverage).





NFPA 1991 certified to current edition.



Tychem® TK 645 NFPA **Ensemble**

Fully encapsulated front entry vaporprotective suit (Level A), expanded back, sealed seams inside and out, 48" zipper, double storm flap with Velcro®, 2 layer faceshield (10 mil Teflon®/40 mil PVC), 3 layer glove combination of Viton®, North® Silvershield®, and outer knit Kevlar®, 3 Pirelli® valves, attached sock boots with boot flaps, 1.5" waist belt with 3 belt loops sewn (inside) and sealed. Includes aluminized fiberglass overcover. Storage bag and Bata Hazmax® boots included.



Tychem® TK 650 Level A Suit

Fully encapsulated rear entry vapor-protective suit (Level A), expanded back, sealed seams inside and out,48" zipper, double storm flap with Velcro®, 2 layer faceshield (10 mil Teflon®/40 mil PVC), 3 layer glove combination of Butyl®, North® Silvershield®, and outer knit Kevlar®, 2 Pirelli® valves, attached sock boots with boot flaps, 1.5" waist belt with 3 belt loops sewn (inside) and sealed. Storage bag included. Also available with Wide-**View** lens system.

Tychem® TK 640 Level A Suit

Fully encapsulated front entry vapor-protective suit (Level A), expanded back, sealed seams inside and out,48" zipper, double storm flap with Velcro®, 2 layer faceshield (10 mil Teflon®/40 mil PVC), 3 layer glove combination of Butyl®, North® Silvershield®, and outer knit Kevlar®, 2 Pirelli® valves, attached sock boots with boot flaps, 1.5" waist belt with 3 belt loops sewn (inside) and sealed. Storage bag included. Also available with Wide-View lens system.

All suits are available in front or rear entry configurations and in sizes up to 5X... Call Lakeland Customer Service for Details at 1-800-645-9291.



Tychem® TK 620 Level A **Encapsulated Suit**

Flat back front entry vapor-protective suit (Level A), sealed seam on outside, 48" zipper, double storm flap with Velcro®, 40 mil PVC faceshield, butyl gloves, 2 Pirelli® valves, attached sock boots with boot flaps, 1.5" waist belt with 3 belt loops sewn (inside) and sealed. Storage bag included.

TRAINING SUITS

taying safe in a hazmat environment relies upon your equipment and training. These Lakeland training suits offer an economical way to learn the do's and don'ts of hazmat procedures without using expensive certified encapsulated suits. Warning! These suits are for training use only. They are not vapor proof and do not offer any protection in Level A or Level B hazmat environments.



Tychem® TK495 **Encapsulated Training**

ing suit, sealed seams for extra strength, front entry, expanded back, 20 mil PVC faceshield, butyl gloves, attached sock boots with boot flaps. Available in rear entry also, style number ŤK490.



Nylon Encapsulated Training Suit Style 95494

This suit is constructed of nylon and is put together with sewn seams...a very low-cost alternative for the training environment. Suit has rear entry, expanded back, 20 mil PVC faceshield, single storm flap, butyl gloves, 2 exhaust ports and attached sock boots. Available in front entry configuration also, style number 95493.



Tychem® TK Level B. There is none better!

evel B
garments
made
from DuPont
Tychem® TK
material have
the same great properties
of their Level A brothers.
Lakeland makes the entire
lineup with sealed seams,
which provides you with
maximum protection.
When you wear Lakeland
Tychem® TK garments,
there is none better.

1-800-645-9291 www.lakeland.com



Tychem® TK100 Coverall
Coverall, collar, open wrists
and ankles. Standard sizes
are S, M, L, XL. Sizes up to
5XL available at additional



Tychem® TK110 Coverall Coverall, collar, elastic wrists and ankles. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



Tychem® TK115 Coverall Coverall, collar, elastic wrists and overboots, 5" storm flap. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost



Tychem® TK120 Level B Coverall

Coverall, hood, elastic face, open wrists and ankles. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



Tychem® TK130 Level B Coverall

Coverall, hood, elastic face, wrists and ankles. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



Tychem® TK140 Level B Coverall

Coverall, hood, elastic face, open wrists and attached boots. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.





Tychem® TK150 Level B Coverall

Coverall, hood, elastic face, elastic wrists, attached boots. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



Tychem® TK166 Level B Coverall

Coverall, respirator fit hood, double storm flap with Velcro®, elastic face, wrists and ankles. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



Tychem® TK155 Level B Coverall

Coverall, expanded back for SCBA, elastic face and wrists, overboots. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



Tychem® TK160 Level B Coverall

Coverall, hood, elastic face, elastic wrists, attached boots with boot flaps. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



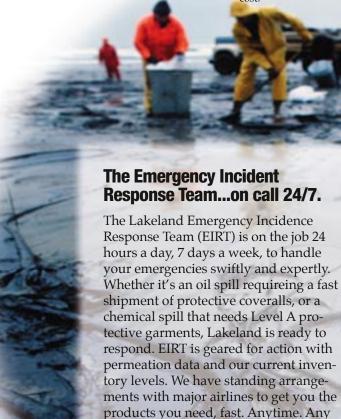
Tychem® TK165 Level B Coverall

Coverall, respirator fit hood, double storm flap with Velcro®, elastic face and wrists, attached boots with boot flaps. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



Tychem® TK170 Level B Coverall

Coverall, hood, elastic face and wrists with splash guards, sock boots with boot flaps. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



24-7

day. Call at 1-800-645-9291, ext. 261.



Tychem® TK250 Jacket Jacket, collar, zipper, elastic wrists, double storm flap with Velcro®. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional

cost.



Jacket, drawstring hood, zipper, elastic wrists, double storm flap with Velcro®. Standard sizes are S, M, L, XL. Sizes up to 5XL avail-able at additional cost.



Pants, elastic waist, hemmed cuffs. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



Tychem® TK320 Bib Pants

Bib pants with suspenders, hemmed cuffs. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost.



Tychem® TK400 Encapsulated

Encapsulated suit (Level B), rear entry, flat back, 48" zipper, storm flap, 20 mil PVC faceshield, elastic wrists, 1 exhaust port with shroud, air tube inlet, attached sock boots with boot flaps. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost. able at additional cost.



Tychem® TK450 Encapsulated

Encapsulated suit (Level B), rear entry, expanded back, 48" zipper, storm flap, 20 mil PVC faceshield, elastic wrists, 2 exhaust ports with shroud, attached sock boots with boot flaps. Standard sizes are S, M, L, XL. Sizes up to 5XL available at additional cost. Also available as front entry suit, style TK440. front entry suit, style TK440.



Tychem® TK730 Apron

Apron, long sleeves, elastic wrists, Velcro® straps at neck, ties in back. 32" length.



Tychem® TK735 Bib Apron

Apron, bib style, knee length, ties at neck and waist. 26" wide x 36" length.



Tychem® TK710 Hood Pullover hood, bell shape, elastic face.



Tychem® TK714 Hood Hood, short bib style, 20 mil PVC lens, 2" Velcro® straps under arms with 4" hook side straps.



Tychem® TK740 Boot Covers Boot covers that extend over calfs, elastic at top.



Tychem® TK765 Sleeves 18" sleeves with elastic ends.

OPTIONS AND CCESSORIES



Pass-Thru Options

Air supply pass thru's from your favorite manufacturer can be ordered, making air connections fast and easy. Call Lakeland Customer Service for details.

Option P1

Scott® pass-thru/Hanson® fittings Option P2 (NFPA)

Scott® pass-thru/Schrader® fittings

Option P3 (NFPA)

Standard pass-thru (not NIOSH approved)

Option P4 (NFPA)

Survivair® pass-thru/Hanson®

fittings

Option P6

Draegar® pass-thru/Hanson®

fittings **Option P7**

Draegar® pass-thru/Foster®

fittings

Option P8

Draegar® pass-thru/Snap-Tite®

Option P9

MSA® Dual Purpose® pass-thru with Hanson® fittings

Option P10 MSA® Quick Fill® pass-thru

Option P11 Interspiro® pass-thru

Option P13

North® pass-thru with Snap® fittings

Option P14

North® pass-thru with Hanson®

fittings

Option P17

MSA® Dual Purpose® pass-thru with

Foster® fittings



Quick Disconnect Assembly for Gloves Option G7

Replacing the gloves on your encapsulated suit is a snap with this quick disconnect assembly. Twist off-twist on action makes for easy removal and installation. Outer replacement assemblies available.



LEVEL A/NFPA Test Kit

Maintain your encapsulated suits with this easy to use test kit. Kit features an easy-to-read Magnehelic pressure gauge, digital timer, sturdy brass and steel fittings, hoses and connectors in a waterproof case. Complete instructions included.

Part No. 00010 - Level A Test Kit Part No. 00011 - NFPA Test Kit



Seal-tight® Glove System - Option G5

This pressure fit glove system works with cones to make installation easier than ever. Note: This option is for Level B use only. Use the Quick Disconnect Option G7 for Level A use.



Velcro® Boot Flap Option B1

Get your boots on and off easier with this Velcro® feature. After donning chemical boots, simply press the Velcro® together and you are ready to roll!



1-800-645-9291 www.lakeland.com



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Fax: 256-350-0773

Chemical Protective Clothing

Woven Clothing

Fyrepel Fire Protective Clothing

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E-Mail: info@lakeland.com

Hand/Arm Protection Division

Customer Service 800-886-8010 Tel: 256-351-9126 Fax: 256-353-9463

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