

# A3D

A NEW DIMENSION IN ADVANCED PROXIMITY PROTECTION

COOL • COMFORTABLE • BREATHABLE

STAY COOL WITH

Z-FLEX<sup>®</sup> *Air*



RADIANT PROTECTION  
THAT BREATHES



AVAILABLE EXCLUSIVELY  
from CHICAGO PROTECTIVE APPAREL

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# PRODUCT INFORMATION

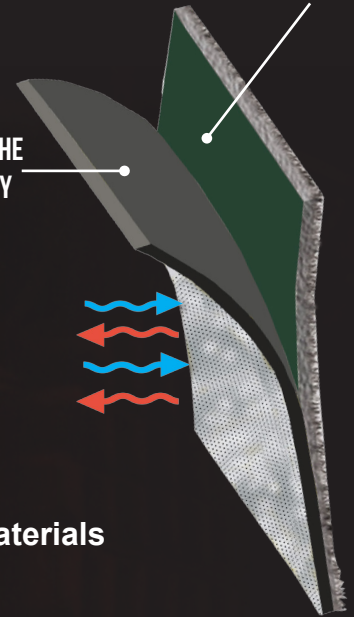
The **Z-Flex Air** process was developed using proprietary techniques that optimize placement, pattern, and dimensions of micro-perforations to create a breathable barrier that offers all the protection of standard Z-Flex fabrics with far greater comfort.

The first breathable industrial proximity shell keeps you cool, comfortable, productive and safe far longer than you ever thought possible. Available exclusively from Chicago Protective Apparel, Newtex's proprietary Mock-Knit technology provides superior durability, more than 2x the tensile and tear strength of knits, with all the comfort and flexibility of traditional knits fabrics.

- **The first and only breathable proximity shell**
- **300% more breathability than traditional aluminized outer shell materials**
- **The same radiant protection of traditional aluminized fabrics**
- **More durable and abrasion resistant than traditional aluminized fabrics**
- **Keeps you cool allowing for greater safety and productivity**

3D MOCK-KNIT  
OPAN / PARA-ARAMID BLEND

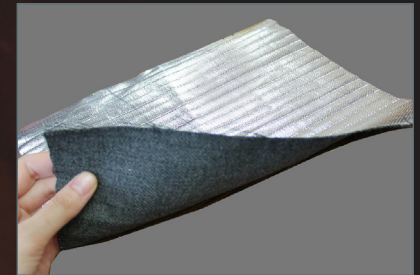
PROPRIETARY MICRO-PERFORATION ALLOWS FOR THE RELEASE OF SWEAT AND BODY HEAT.



## GENERAL INFORMATION

CATEGORY	Z-FLEX® AIR™ FABRICS
STYLE	0-422
BASE FABRIC	OPAN / PARA-ARAMID BLEND
WEAVE	MOCK-KNIT
FINISH / COATING	Z-FLEX MULTI-LAYER ALUMINIZATION WITH MICRO-PERFORATION

PHYSICAL PROPERTY	ENGLISH UNITS	METRIC UNITS
WEIGHT (FINISHED)	14.5 OZ/YD <sup>2</sup>	492 G/M <sup>2</sup>
THICKNESS	43 MILS	1.09 MM
WIDTH	58 IN	1.475 M
RADIANT TEMPERATURE	3000 °F	1650 °C
WATER VAPOR TRANSMISSION RATE (WVTR)	_____	2834 G/M <sup>2</sup> /24-H



## OTHER INFORMATION

- Radiant temperature rating based on ASTM F1939 test method.
- Water Vapor Transmission Rate (WVTR) measures the breathability of active wear.

## CONTACT

To find out more and to request swatches, give us a call at **847.674.7900** or e-mail us at [sales@chicagoprotective.com](mailto:sales@chicagoprotective.com)

[www.chicagoprotective.com](http://www.chicagoprotective.com)

