

# Hybrid ballistic fabrics made with CoreMatrix™ Technology

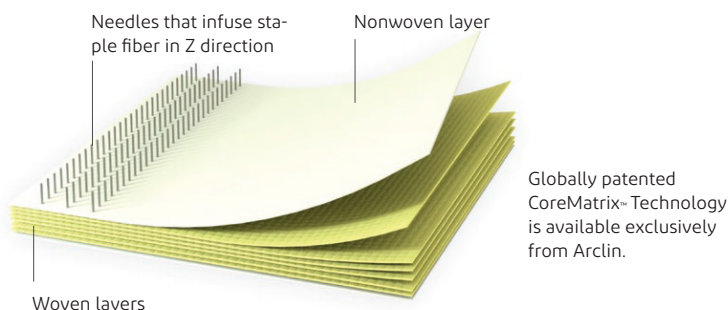
Technical data sheet

ARCLIN



## CoreMatrix™ Technology enables greater ballistic protection and comfort

Arclin CoreMatrix™ Technology uses patented needle punching technology to infuse fiber in the Z direction, combining numerous woven layers with a nonwoven batting to create a hybrid ballistic fabric solution. Arclin fiber technology with CoreMatrix™ Technology provides superior ballistic performance against diverse threats without sacrificing comfort and flexibility.



## Portfolio of hybrid ballistic fabric solutions

|           | Weight                                           | Usable width     | Thickness          |
|-----------|--------------------------------------------------|------------------|--------------------|
| CM K530G  | 15.90 oz/yd <sub>2</sub>   539 g/m <sub>2</sub>  | 160 cm.   63 in. | 1.8 mm.   0.07 in. |
| CM K840G  | 25.06 oz/yd <sub>2</sub>   849 g/m <sub>2</sub>  | 160 cm.   63 in. | 2.3 mm.   0.09 in. |
| CM K1320G | 39.07 oz/yd <sub>2</sub>   1324 g/m <sub>2</sub> | 160 cm.   63 in. | 3.1 mm   0.12 in.  |

## Ease of manufacturing

The use of CoreMatrix™ Technology in hybrid package designs mitigates complex stitch architecture, significantly reducing solution build times, which results in lower manufacturing and labor costs.

## Proper storage and handling

- Avoid tearing and crushing the product
- Do not use bleach or products containing bleach to clean CoreMatrix™ Technology
- Store in dry temperate area avoiding storage conditions exceeding 66°C (150°F) and avoiding direct exposure to sun or UV light
- Cover the product with black impermeable plastic

Product safety information is available upon request.

## Proper use

- Hybrid fabric solutions made with CoreMatrix™ Technology are intended for soft body armor packs. They are suitable for use in ballistic vests or other ballistic applications, such as ballistic combat shirts, ballistic pelvic protectors and bomb suits.
- It is the responsibility of the body armor manufacturer to design suitable end products and to obtain the relevant certifications before releasing them to end users.

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