

Milliken Agilus™ Spike Protection Technology is a breakthrough treatment to increase fabric resistance to spike stabs and reduces the amount of fabric needed for protection. The treatment is applied to para aramid fabrics to control yarn-to-yarn friction. Upon impact, yarns and layers of fabric are quickly locked in place to keep correctional officers safe from spike attacks.



Spike Testing Summary

Spike Level 3 (NIJ 0115.00)

16 plies of 600 denier Agilus fabric - **0.51 psf**

Spike Level 2 (NIJ 0115.00)

14 plies of 600 denier Agilus fabric - **0.45 psf**

Spike Level 1 (NIJ 0115.00)

11 plies of 600 denier Agilus fabric - **0.35 psf**

Ballistic II, Spike 3+* (NIJ 0101.06, NIJ 0115.00)

36 plies of 600 denier Agilus fabric – **1.12 psf**
**preliminary testing*

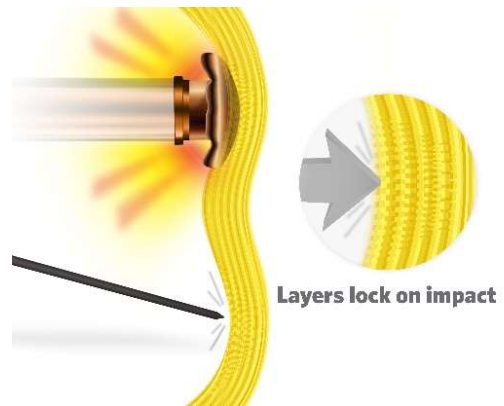
Recommendations based on testing using Contra Threat C1060 spike at Milliken & Chesapeake Test Labs.

Tested & Proven Durability

Oil Migration testing measures the resistance to migration/contamination from other protective materials which may be included in the pack such as greige anti-ballistic fabrics. Agilus fabrics are superior to other spike resistant fabrics in this testing.

Tumble testing using Spike Level 3 Agilus 600d fabric tumbled per NIJ 0101.06, Section 5 passes with 100% passing results in Milliken and Chesapeake testing labs.

Ballistic II (NIJ 0101.06) testing demonstrates Agilus fabric also retains most of the base fabric ballistic resistance properties.



Layers lock on impact

Performance Competitive Edge

Achieve the same spike protection performance with *less* material for more comfortable vests and lower total material costs.

Agilus material is agile with weight savings of 20% making vests lighter, thinner, more flexible and wearable for officers.

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