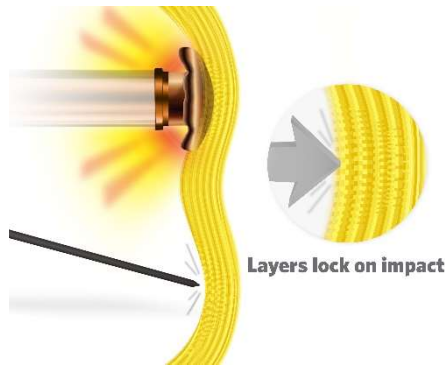


Milliken Agilus™ Technology is a breakthrough treatment to increase fabric resistance to spike stabs and reduces the weight of fabric needed for protection. The technology is applied to para- aramid fabrics to control yarn-to-yarn friction. Upon impact, yarns and layers of fabric are quickly locked in 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 total**

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

36 plies of 600 denier Agilus fabric – **1.12 psf total**

*\*readily passes spike level 3 testing*

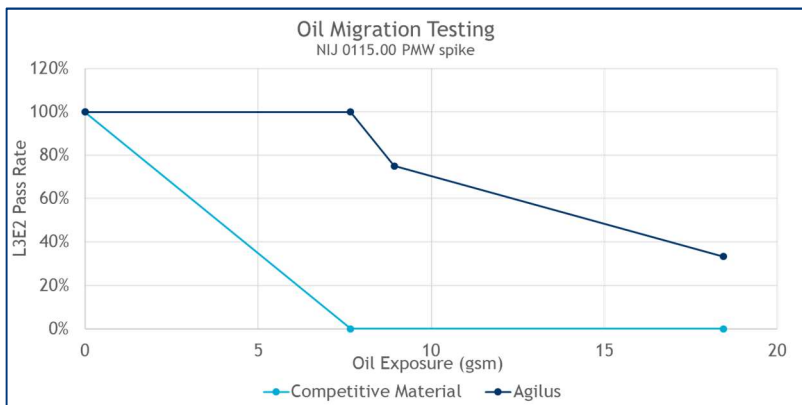
Recommendations used testing at Milliken & NTS Chesapeake Test Labs using the Contra Threat C1060 spike.

### Tested & Proven Durability

**Oil Migration testing** (data below) measures the resistance to migration/contamination from other protective materials which may be included in the pack such as greige anti-ballistic fabrics.

**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-treated fabric also has ballistic resistance properties



### 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 25% making vests lighter, thinner, more flexible and wearable for officers.

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