

# GUANGZHOU VAIANO TEXTILES CO., LTD.

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## SPECIFICATION SHEET

### L-Protection®: ZERO 15

#### Material description:

Non metallic textile insert for anti-puncture resistance in safety footwear.  
Material designed for ASTM F2413.  
This is a bonded multilayer complex material composed by three layers.

#### Specification:

Thickness: 4,10 mm (+/- 0.1mm)  
Weight: 4100 gr. / sq. meter (+/- 3%)  
Standard sheet size: 100 x 155 cm  
Sheets per pallets: 150  
Standard roll size: 800 x 155 cm  
Minimum Adhesion: 3 N/cm

#### Certificates:

**ZERO 15** is certified to conform to CSA Z195 and ASTM F2413 norms with reference to zero penetration at 1200 N.

**ZERO 15** is certified to conform to EN 12568:2010 with reference to zero penetration at 1100 N.

#### PEAK FORCE\* 2100 N

*(\*) is considered "peak force" the force needed for the full passage of the nail through the insert.*

Also available in a special finishing to improve the bonding to the outsole (R1).

