

# FEW SAFETY BOOTS CAN BE CALLED 'INVINCIBLE.'

## THIS ONE CAN.

The V2180 Invincible IGS is a truly revolutionary safety boot, using highly advanced technology to create never-before-seen metatarsal protection. Here's what is under the leather – and how it blows away its competitors.



### EXO GUARD™ – PIONEERING PROTECTION

At the heart of V2180 Invincible IGS is our groundbreaking patent-pending **ExoGuard™** protection system. It begins with the internal halo, an incredibly strong carbon strap featuring graphene mixed with resin which is over 200 times stronger than steel. This type of graphene material is used in radar and stealth aircraft: that's the level of tech making Invincible an industry innovator.



**200 X STRONGER THAN STEEL**



**AIRCRAFT & RADAR**



**STEALTH**

The ExoGuard™ system also features a dual density PU pad, further safeguarding the metatarsals with highly effective shock absorption and energy dispersion properties.

### HOW IS V2180 INVINCIBLE IGS TESTED?

The met protection test is extremely rigorous. A boot's metatarsal guard is tested by inserting a wax foot shape inside, then dropping a 20 kg weight onto the metatarsal area from half a meter. If the weight makes an indentation in the wax past a certain measurement, the boot doesn't pass, as it's failed to protect that area of the foot. **And the innovation doesn't stop there...**

## PROTECTION YOU CAN COUNT ON



We're committed to ensuring our wearers return to their homes and loved ones having been fully protected from the hazards of their industry. And this is why we've built the Invincible with revolutionary technology – so our wearers get metatarsal protection they can count on. And its performance in the met protection test shows this clearly – Invincible didn't just pass the test – it consistently passed it.

## NANOTECHNOLOGY – FUTURISTIC FOOTWEAR

We've used innovative nanotechnology in Invincible's toe cap to make it one of the strongest on the market. Its intricate structure of carbon nanotubes when combined with a fiberglass resin create a toe cap of incredible strength. Other benefits are that it is extremely lightweight and thinner for added wearing comfort, more adaptive to extreme temperatures than its alternatives and is metal-free.

## IGS™ – INTELLIGENT GRIP SYSTEM



The IGS sole unit features a unique hexagonal tread ensuring superb traction, while ladder grips offer firefighter levels of safety. An innovative heel strike pad reduces slips and falls as well as delivering exceptional water dispersal, while angled splines offer optimum grip.

## ANKLE PROTECTION

Invincible's advanced protective cushioning shields the ankle from hazards such as high impact trauma and twists on uneven ground with its outstanding impact resistance.

## MIDSOLE

A flexible anti-penetration midsole protects the wearer from sharp objects from entering the bottom of the foot.



METATARSAL PROTECTION



WATERPROOF + BREATHABLE



HEAT-RESISTANT



ANTI-STATIC



COMPOSITE MIDSOLE



COMPOSITE TOECAP



IMPACT RESIST ANKLE PROTECTION



METAL-FREE



SCAFFOLD BOARD SLIP-TESTED



KENNEDY GRATING SLIP-TESTED

**Next level protection is here.**  
**Make sure you're ready for it.**

For additional information please visit the QR code or <http://blog.v12footwear.com/what-is-a-met-boot>

