



HITT Shield “Defender”™ Skull Cap Under ACH Advanced Concussion Support

Patented: Under Helmet Safety Enhancement • Concussion Mitigation Protection

“Defender” (2mm thickness) is proven in an independent testing lab report to be 4X’s more concussion protection than current market leaders in skull protection.

*Defender and Defender Pro will fit under any helmet.

At a thickness of only 2mm, our High Impact Transfer Technology (HITT) NDF™ protection product demonstrates up to 80%+ reduction in both linear and rotational impacts. HITT Shield / NDF™ performed better than every other enhanced head protection solution in market for use in: Sports, Law Enforcement / SWAT / Riot Control, Military and other applications.

- 4X more protection than closest market competition
- Fully adjustable – *one-size-fits-all*
- Machine washable
- Uses wicker polyester for sweat management & enhanced natural cooling
- Constructed with global patented NDF™
- Customization Color / Printing Available
- HITT Shield Defender™ & Defender “PRO” - Skull Caps are the solution for any sport or other activity where head protection is priority.

If you want the best impact protection against concussions, sub-concussive injuries, CTE and all other traumatic brain injuries, HITT Shield’s NDF™ protection are the solution for you.

Applications:

Comfortable & Effective Head Protection:
Military, Law Enforcement, Firefighting

Technology:

HITT Shield technology is comprised of a proprietary global patented formulation of NDF™ (*Non-Newtonian Dilatant Fluid*) combined with other uniquely combined active elements. Non-Newtonian fluid is a fluid whose viscosity (or thickness) varies depending on the applied force or stress. Depending on the force applied, the Non-Newtonian fluid can act like a liquid or a solid. “Dilatant” material is a material whose viscosity (or thickness) increases with the rate of strain (or force) applied. In short, NDF™ will dramatically absorb and dissipate the energy from an impact instead of transferring that energy to the area the NDF™ is applied or worn.

“Defender-Pro” in 4mm thickness also available for even more protection for high impact scenarios ie. Professional Sports, Motorsport, Military/ Law Enforcement.

