

The Relative Effectiveness of Two
Types of Kevlar Spall Blankets

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ABSTRACT:

Improvised Explosive Devices (IEDs) continue to dominate combat-related casualties in Iraq and Afghanistan. Often, IED casualties are a result of spall. Spall is small pieces of debris which spread out in a cone from the point of armor penetration. In order to mitigate the damage spall can do to personnel in a penetrated vehicle, blankets made of Kevlar may be hung from the turret. In this paper, I will present the results of tests comparing two types of Kevlar spall blankets, S706 and S745.

KEYWORDS: Spall, Improvised Explosive Devices, Explosively Formed Projectiles, Kevlar, Armor

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