

Baseline Concrete Ballistic Project

Dr. Don Berry
IAT Research Laboratory
Austin, TX

Cadet N Blaine Cooper
United States Military Academy
West Point, New York

Cadet Bruce D Brown
United States Military Academy
West Point, New York

ABSTRACT:

A look into the effects of light machine gun fire on standard concrete is important for current military operations around the world. This research project sets out to discover and define the effects AP, Ball, and FSP munitions on 4 inch thick concrete. This research is critical in providing information that will save lives and increase the effectiveness of troops on the ground in Iraq. By understanding how to penetrate the concrete more efficiently we can increase our ability to raid buildings in environments such as Iraq. This baseline research was conducted to provide AIT labs with data to compare their future findings as well as answer certain questions and unknowns.

KEYWORDS: (AP) Anti-personnel, (FSP) Fragment Simulating Projectile

CONTACT: Dr. Don Berry, IAT Laboratory, Austin, TX, Tel: (512) 471-9060, Email: info@iat.utexas.edu

CDT N Blaine Cooper, United States Military Academy, West Point, NY,
Tel: (845) 515-2251, Email: Nevin.Cooper@usma.edu

CDT Bruce D Brown, United States Military Academy, West Point, NY,
Tel: (845) 515-3680, Email: Bruce.Brown@usma.edu