

January 8, 2010

James K. Wood

JBIT

3631 E. 44th St. Suite 145
Tucson, AZ 85713

Sirs,

I am writing this letter because I attended a demonstration of your prototype Alumikron Armor product. I was so impressed with the results of this testing that I thought I would write you to describe the experience from my point of view. My son Samuel and I were not only present at the test, but were also allowed to shoot at your armor.

The demonstration took place at the Three Points Shooting Range, just west of Tucson, Arizona in December of 2009. You invited me to try some of my .30-06 Springfield M-2 Armor Piercing Ammunition at 218 feet on an armor plate composed of 3/8" of Alumikron and other components. What is really amazing about this product is that it stopped all 15 rounds I fired from that range, plus five rounds of Yugoslavian 7.62 X 54R 154 gr. FMJ. We then moved to a distance of 12 yards and put one more .30-06 Armor Piercing round into the armor. This armor plate was only 4" by 4" square!

Another splendid test was firing the same types of ammunition at a plate containing 1/8" of Alumikron plus the other armor components in a 2" X 2" square plate. The amazing thing is that this also stopped the four .30-06 M-2 Armor Piercing ammunition, and 2 of the 7.62 X 54R at 218 feet. We then stopped two more .30-06 Armor Piercing rounds and one more 7.62 X 54R at 12 yards! If that wasn't enough, we then put 15 rounds of .223 Remington/5.56mm, M193 ball ammunition into the 4" X 4" plate at this same range without any penetrations whatsoever. It is incredible that these small plates would stop all these rounds. I would not have believed it if I had not seen it myself.

I have been a law enforcement officer for about 19 years now. I am currently a detective with the Arizona Department of Public Safety. I have been a firearms instructor and an avid gun enthusiast my whole life. I have worked many shooting crime scenes. I have conducted my own shooting experiments for years. I am an armorer and gunsmith. I was an Army Airborne Infantryman and was a member of a Long Range Surveillance Unit. I have seen many armor tests. Most of these "tests" are conducted under highly controlled circumstances. None of them have used the number of armor piercing rounds that I shot into these plates. None of them allow so many rounds to be fired into the plates so close together.

Your plates are phenomenal! They stop armor piercing rounds impacting closer than 1" apart. They even stop rounds fired so close together that the holes are "clover leafed," or overlapping. Another amazing thing about your armor is that it will stop armor piercing rounds fired near the edge of the plate. One round I fired at the 4" X 4" plate hit on the

edge with about 1/3 of the bullet's diameter on the plate. Even this round was broken up so badly it was stopped.

Additionally astounding, this Alumikron armor is also light weight compared to other armor plates. The Alumikron itself has the weight and appearance of aluminum, but it is much harder than any aluminum I have ever handled or machined. It is truly an incredible material that I think will revolutionize the armor industry.

This Alumikron will be great for vests in the Law Enforcement and military applications. One thing I thought was very impressive was the stab resistant qualities of the 1/8" Alumikron plate. A razor sharp stainless steel knife point would not penetrate it. This would be a great benefit for Police Officers.

It would also be an improvement for retrofitting armored personnel carriers. Older personnel carriers could either have their armor stripped off and replaced the lightweight Alumikron, or have Alumikron plates added, which would offer far better ballistic protection to the personnel inside.

Police and Military aviation units would also find it advantageous to replace their heavy armor plates with lightweight Alumikron to increase the armor protection and performance of aircraft. Combined with Alumikron body armor worn by the crews this would increase survivability substantially.

Corrections Officers would benefit from thinner Alumikron stab resistant vests, which would also offer ballistic protection.

This Alumikron armor is the best armor product I have ever seen. I wish my son and all those serving in Iraq and elsewhere could have this armor to wear.

Sincerely,

James K. Wood