



Ricochet test with the 6.5x25 CBJ Frangible

Purpose:

To test that the Frangible bullet will disintegrate and not ricochet when hitting a hard object.

Test setup:

An armor plate was positioned at 45° to the axis of the bore. A sheet of cardboard (ca 50x30cm) was placed normal to the plate and 20cm above the point of aim.

The range was 8m.

One 6.5x25 CBJ Frangible round was fired at the target, V_0 : 832m/s.

Results:

The bullet completely disintegrated and produced no fragments of significant size. Placed 20cm from the point of impact, the sheet of cardboard stopped half of the fragments.

Pictures of the cardboard can be studied below.

Comments:

This test confirms that when used in training facilities or in sensitive combat environments, the 6.5x25 CBJ Frangible will not produce ricochets or dangerous fragments when hitting hard, angled surfaces.



The front of the cardboard sheet. Clearly, there are no large fragments.



The back of the cardboard. About half of the fragments have been stopped by the cardboard.