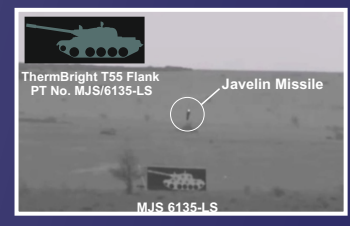


## UNPOWERED Thermal Targets

### Missile Lock

#### Direct Hit from Javelin Missile

The trials team fired a Javelin missile from a turret at the Javelin Trials UK Training Area on Salisbury Plain near Wiltshire, England; the missile hit the target successfully - target used was a T55 Flank large scale 6m x 1800m Pt No MJS/6135 LS



#### Royal Marines - Javelin Firing



**JAVELIN FIRING ON SIMULATED 3 MAN MORTAR TEAM**

Otterburn Range Staff made target. A bank of three standard figure 11 targets on the front and a bank of three on the top to give some depth to an otherwise one dimensional target to make sure that the missile didn't lose the target in flight. All the targets were engaged in the direct attack mode at ranges between 700m-1850m. Only two of the targets were augmented with charcoal in a 40mm Ammo Liner.

All five missiles hit.

My conclusion would be that this design of target should be standard and could be tied in to any scenario where a herring/tellie insurgent enemy representation was required i.e. mortar team, fed-laying team etc was required.

If a single target were used I would imagine it would not really provide good training value due to the small size of the target and the ability to provide good track gate solutions at the longer ranges.

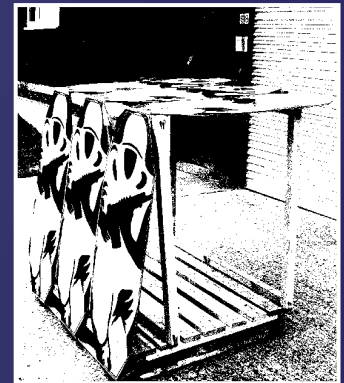
I have enclosed what the target looked like through the CLU at 1100m.

Finally OTA Range Staff/HQ Staff where really helpful at all stages.

*Maister*

SGT SPENCE MC RM  
45 COMMANDO RM

**Report**



Case study: British Royal Marines tested Thermbright targets against Javelin missiles at the Otterburn Ranges. Until now, the common method of producing thermal contrast for missile lock-on was to heat AFV hulks with burning charcoal. The report below shows a Javelin missile engaging a group of Thermbright targets. The far right image shows how they built a three-dimensional target with Fig 11 ThermBright targets

#### French Missile Test

In early May 2018, the French army fired a combat version of the 5th generation land combat missile MMP on its firing range at Canjeurs in the Alps at a remarkable range of over 5000m. Although the firing was executed in complex conditions (rain, wind and at a ground altitude of over 800m on a fleeting target with reduced signature), the missile hit the ThermBright target Pt No. MJS 6050 right in the centre after a nominal flight



ThermBright Ltd  
6 The Drove  
West Wilts Trading Estate  
Westbury  
Wiltshire  
BA134JE  
United Kingdom  
NCAGE Code U26Y8  
SAM UEI: V2LRXDYPLB8

Admin@thermbright.com www.thermbright.com 0044 (0) 1373 825505

Copyright © 2024 ThermBright Ltd All rights reserved

