



TECHNICAL ADVISORY SECTION (ROYAL ENGINEERS) (TAS(RE))

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RANGE ADVICE NOTE 3/11

See Distribution

Our reference: 28-14-01

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Reference:

- A. DTE SE RO(H) TAS Trials/1/11 dated 23 Jun 11

USE OF PLASTIC TIMBER ON RANGES.

1. Landmarc have asked to utilise artificial timber as a more durable building material on ranges. Recycled Plastic Lumber or Plastic Wood Composite, also known as Recycled Composite Profiles (RCP's), are the basic building block from which the British Recycled Plastic range of environmentally friendly, maintenance free, sustainable construction products are made.

2. This material has now been tested for penetration, ricochet and backslash at Reference A and has shown to be similar to natural timber when impacted by 9 mm, 5.56 mm and 7.62 mm ammunition.

3. As a result of this trial the timber alternatives described above may be used on MOD ranges as a substitute for natural timber without restriction. However as this is a new concept in the direct line of fire, Landmarc are to monitor these materials to ensure there are no unforeseen safety issues resulting from such use.

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