PRODUCT DATA SHEET

5. *PYROTECHNICS – SIGNALLING/ILLUMINATION*
38mm Signal Cartridges

Primetake Part - PT4512
Catalogue No. 05.04.4512
Version 4

Product and Packing Details	
WEIGHT	95g approx
DIMENSIONS	91.5mm x 43mm
NET EXPLOSIVE QUANTITY	40g approx
SHELF LIFE	5 years under controlled conditions
RANGE	60m—120m
OUTER PACKAGING	PLYWOOD BOX
DIMS mm	500 x 280 x 320
QTY PER PACK	150
GROSS WEIGHT NOMINAL	22kg
MAXIMUM NEQ	6.50kg
PROPER SHIPPING NAME	Cartridges, signal
UN SERIAL NUMBER	0054
HAZARD CLASS	1.3G

Methods of Use
The 38mm Signal Cartridge is to be used in the role of medium range signalling and illumination. It is intended to be used for battle field/exercise signalling, ship to ship / ship to shore signalling, LZ/DZ location and general signalling at airports/ oil rigs etc. The 38mm Signal Cartridge functions consistently and effectively in all expected operational environmental conditions at temperatures ranging from -46°C to +71°C (Military) and -20°C to +50°C (Commercial).

Description
The Primetake 38mm Signal Cartridge is housed within a waterproofed and hermetically sealed Aluminium case and comprises a propellant charge, serving a precision pressed, solid flare projectile unit. The cartridges are identified by tactile markings moulded on the colour coordinated closure cap .

Performance/Safety
The coloured signal variants provide pure, high intensity light signatures, visible and identifiable in bright sunlight at and beyond 1km from the firing point for approximately 7 seconds. The illuminating cartridge is both brighter and longer in duration with an operating function time typically in excess of 8 seconds, fired vertically the range is between 80 and 130m from the point of fire with full performance reached 15m from the weapon. The cartridges have an ignition percentage of 99% when conditioned at 21 C+-3.

Articles should remain within the original sealed package and be stored within a temperature controlled environment of +5°C to +30°C; relative humidity should not exceed 70%. Storage outside of these conditions will not be warranted and may reduce the shelf life and lead to the articles not functioning as intended.

Colour	***Candela***	***Part No.***
Red	min 85,000	PT4512A
Green	min 30,000	PT4512B
White	min 50,000	PT4512C
Illuminating	min 170,000	PT4512D

At Primetake we constantly review our products—all specifications are a guide and may vary so please check that the latest specification meets your requirements

Reepham Road, Fiskerton, Lincoln, LN3 4EZ, United Kingdom Phone: +44 (0)1522 752323 Fax: +44 (0)1522 752484
Email: sales@primetake.com Web: www.primetake.com

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