THERMELD BLOCKS

EQUIPMENT STATISTICS

	TL	Type	Vol	Wt	Price
☐	13	Thermeld Block-13 (Packaging containing 1 x Thermeld Strip & 2 x initiators)	3.25 ltrs	2.2 kg	Cr 125 / pack
☐	13	Thermeld Block-13 (1 x Strip)	2.25 ltrs	1.2 kg	Cr 100 / Strip
☐	13	Pull-cable Pyro Initiator-13	0.4 ltrs	0.5 kg	Cr 50 / each

Usage record

☐ TB-13 Pack ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

☐ TB-13 1 Strip ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

☐ PPI-13 Initiator ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

DESCRIPTION

General:

Thermeld Blocks operate in much the same way that Linear Burning Ropes do, but to weld surfaces together in an emergency, rather than cut them. Thermeld Blocks are not a substitute for conventional welding equipment, but are a handy emergency substitute. Thermeld Blocks include thermite in their chemical make up, which when combined with the properties of the binder/insulator compounds in the putty block, makes for an extremely dense material.

Appearance:

Thermeld Blocks come in 15cm long x 5cm wide x 3 cm deep units of mildly flexible bright pink putty-like material with semi-rigid side and top walls of an insulating/internally heat reflecting material, and sealed on the base with a tear-off strip. It is coloured with yellow and black stripes all over bar the pull-strip on the base, which is which is silver in colour. Pulling off the silver base strip exposes a mildly adhesive surface. Each Block is further wrapped in a vacuum-sealed transparent wrapping that additionally contains two Pull-cable Pyrotechnic Initiators.

Usage:

After removing the strip from the outer packaging, and securing the initiators in a safe place, the bottom peel-off strip is removed from the Thermeld Block, and the strip affixed as flush to the joining surfaces to be welded together as possible. Two initiators are supplied for times when stress is high: It is not uncommon for an initiator to go 'walkies' in high-stress situations, thus having a second initiator to hand is a measure of insurance against stress-induced forgetfulness. One initiator is sufficient to ignite a Thermeld Block; the initiator, the end of a 8mm wide x 1 metre-long cable connected to the bottom of a 10cm long x 5cm diameter tubular ergonomic grip, is pushed into a convenient place in the Thermeld Block, much like a plastic explosives detonator plug might be. The red and yellow striped tab is peeled off the top of the grip tube, to reveal a bright red and yellow pull ring, which connects to 1mm thick by 30cm long internally spring-tension-wound cable, which runs a wind-up detonator within the body of the initiator. Pulling the cable out swiftly runs a miniature dynamo inside the initiator, which charges a high-charge capacitor, which on reaching full capacity, discharges after five seconds into the Thermeld Block, which then ignites.

Effect:

Thermeld Block burn with very high temperature to ensure that the surfaces are properly welded; surrounding temperatures are high, but not excessively so, due to the reflective insulating properties of the block side, end, and top walls. It takes about thirty seconds for a weld to be conducted, and the welded surfaces will be exceedingly hot to the touch for about half an hour after burning.

TASK LIBRARY

All three tasks must be run *in sequence*.

To successfully set a Thermeld Block in the proper place in order to achieve the desired cutting result:
Routine, Demolitions, 5 minutes, Fateful
(Failure means the actual result of detonation will be very different from the intended outcome)

To successfully insert the Pull-cable Pyrotechnic Initiator into a Thermeld Block:
Hazardous, Demolitions, 1 minute, Fateful
(Failure could mean the PPI being incorrectly inserted, it being faulty, or breakage of some form)

To successfully initiate a PPI to fire a Thermeld Block:
Hazardous, Demolitions, 10 seconds, Fateful
(Failure could result in the charge not firing, firing incorrectly, and/or a combination of the above failures)

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