

**Ministry of Defence
Defence Procurement Agency, ADRP2
Abbey Wood
Bristol
BS34 8JH**

OBSOLESCENCE NOTICE

All DTD specifications were declared obsolescent from 1st April 1999. All DTD 900 series approvals also lapsed at that time. The standards will no longer be updated but will be retained as obsolescent documents to provide for the servicing of existing equipment.

Further Guidance

The aim in declaring the specifications obsolescent is to recognise that the documents are not being updated and thus should be used with care by both purchaser and supplier. For example, a specification could contain valid technical information but may also contain type approval clauses that contradict procurement policy and/or use materials that do not comply with environmental legislation. The obsolescent specification can still be used as a basis for a purchase provided that the supplier and purchaser agree suitable changes to the specification within the purchase order/contract.

For the DTD 900 system, each specification has provided an MoD approved material and process. For these items, the declaration of obsolescence will constitute the termination of both the extant MoD approval and the continuing MoD assessment that had underpinned those approvals. Again, the technical content of the document remains valid and can be used by both purchaser and supplier as a basis for a contract but an acceptable (to the parties) approval/assessment procedure would be required.

Aircraft Process Specification

ROT-PROOFING OF NATURAL FIBRE PARACHUTE MATERIALS

NOTE 1.—This specification is one of a series issued by the Ministry of Aviation either to meet a limited requirement not covered by any existing British Standard, or to serve as a basis for inspection of material, the properties and uses of which are not sufficiently developed to warrant submission to the British Standards Institution for standardisation.

NOTE 2.—This specification stipulates the rot-proofing treatments to be applied to natural fibre materials used in parachute assemblies.

NOTE 3.—Differences from D.T.D. 928A are indicated by marginal lines.

1. Scope

This specification shall be called up in conjunction with the relevant material specification except in cases where the material specification already provides for the appropriate treatment mentioned herein. Other rot-proofing treatments may be used only with prior approval.*

2. General

The details of the treatments referred to shall be in accordance with British Standard 2087 except as follows:—

- (a) where otherwise stipulated herein
- (b) where the material specification stipulates limits of impurities additional to or more stringent than those required by British Standard 2087. In this case the limits of impurities stipulated in the material specification shall apply.

Where appropriate the treatment may be applied to the yarns prior to manufacture of the material. Where there are alternative methods of applying the same treatment, e.g. from solvent or from aqueous emulsion, the method of treatment shall be at the discretion of the supplier, unless specifically stated by the purchaser.

3. Fabric (other than narrow fabrics) and serrated tapes of cotton and linen

- (a) Canopy fabrics and serrated tapes of cotton and linen shall be treated with LPCP (pentachlorophenyl laurate), (colourless).

If air porosity limits are stipulated in the material specification these limits shall be those required in the treated fabric.

- (b) Other fabrics under this classification shall be treated with Mineral Khaki followed by treatment with LPCP (khaki colour conferred by the Mineral Khaki).

A stitch finish is required. This shall be such that the total solvent extract determined by the method described in British Standard 2087 shall be not less than 3 and not more than 5 per cent †.

4. Sewing thread

- (a) Silk sewing thread (specification D.T.D. 66B) shall be treated with LPCP (colourless).
- (b) (1) Flax sewing cord (British Standard 2F54) shall be treated with Chrome Copper and shall be stitch finished (light green).
- (2) Linen sewing thread (British Standard 4F34) and cotton sewing thread (British Standard 2F58) shall be treated with
 - (i) LPCP (colourless), or
 - (ii) Chrome Copper and shall be stitch finished (light green).

5. Cordage of flax, cotton or hemp

Cordage of flax, cotton or hemp shall be treated with LPCP (colourless).

*Applications for approval should be addressed to the Director of Materials and Structures Research and Development, Mat. 10, St. Giles Court, St. Giles High Street, London, W.C.2.

† This requirement provides that the total of LPCP and added stitch lubricant shall conform to these limits.

6. Woven tape and webbing

(a) Tape containing silk (specification D.T.D. 65A and specification D.T.D. 621) shall be treated with LPCP (colourless).

(b) (1) Flax harness webbing (British Standard F111) shall be treated with Mineral Khaki followed by treatment with LPCP (khaki colour conferred by the Mineral Khaki).

A stitch finish is required. This shall be such that the total solvent extract determined by the method described in British Standard 2087 shall be not less than 3 and not more than 5 per cent.*

(2) Heavy cotton, flax and cotton/flax union webbing used for waist belts and slide pocketing shall be treated with LPCP (colourless).

(c) Lightweight cotton, flax or cotton/flax union tape and webbing shall be treated with:—

(i) LPCP (colourless), or

(ii) Mineral Khaki followed by treatment with LPCP (khaki colour conferred by the Mineral Khaki).

A stitch finish is required. This shall be such that the total solvent extract determined by the method described in British Standard 2087 shall be not less than 3 and not more than 5 per cent.*

7. Felt of wool or wool/vegetable fibre mixture

Felt of wool or wool/vegetable fibre mixture shall be treated with LPCP (colourless).

8. Colour

In Mineral Khaki/LPCP treated materials the colour shall be similar to that of the Standard Sample, patterns of which may be obtained on application to The Director of Aeronautical Inspection, P.I.N.M.2. Aeronautical Inspection Directorate, Harefield House, Harefield, Middlesex.

* This requirement provides that the total of LPCP and added stitch lubricant shall conform to these limits.

Approved for issue.

Director of Materials and Structures Research and Development.

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