

Date of Issue—August, 1938

Specification No.

Revised Date—

C.A. 353

Specification for
**CLEAR NITRO-CELLULOSE VEHICLE FOR ALUMINIUM
COVERING**

1. DESCRIPTION.

This specification covers one grade of Clear Nitro-Cellulose Vehicle to be employed in the preparation of Aluminium Covering, which shall be produced by the addition of an approved grade of Aluminium Paste in the proportions specified below:—

2. COMPOSITION.

The composition by weight shall be as follows:—

Solid Ingredients—

Dry Nitro-Cellulose	-	-	-	4.5 to 5.0 per cent.
Plasticiser	-	-	-	3.0 to 3.5 per cent.

Volatiles—

Alcohols	-	-	-	15.0 to 20.0 per cent.
Organic Esters	-	-	-	45.0 to 52.0 per cent.
Ketones	-	-	-	10.0 to 15.0 per cent.
Aliphatic Hydrocarbons	-	-	-	10.0 to 15.0 per cent.

3. PROPERTIES.

- (a) The material shall consist of a clear solution of good appearance.
- (b) The finish produced from a mixture of the Vehicle with an approved Aluminium Paste, in the proportions of 87 parts of Vehicle to 13 parts of Paste by weight, shall be smooth, durable, opaque, and of good appearance.
- (c) When applied as a component of an approved finishing scheme the above mixture shall be capable of complying with the requirements of B.S. Specification 2D. 101 for doping schemes.
- (d) The Clear Vehicle shall weigh between 8.6 and 8.8 lb. per gallon at 15.5° C.
- (e) The viscosity of the Clear Vehicle shall be between 80 second and 90 seconds in a 10 Parlin cup at 28.5° C.

4. PRESERVATION.

The material shall retain its initial properties for a period of twelve (12) months from the date of manufacture.

COMMONWEALTH AIRCRAFT CORPORATION PTY. LTD.

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5. CONTAINERS.

The material shall be supplied in an approved type of container, clearly labelled to show the following information:—

- Manufacturer's Title.
- Specification No. CA. 353.
- Manufacturer's Specification Reference Number.
- Batch Number.
- Date of Manufacture.

6. CERTIFICATES.

Each batch of material shall be accompanied by a certificate (in duplicate), signed by the manufacturer or his representative, stating that the material complies with the requirements of this specification.