

**GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
RESEARCH AND DEVELOPMENT ORGANISATION
DIRECTORATE OF AERONAUTICS**

TYPE APPROVAL No : 161

ISSUED TO : M/s ASBESTOS & JOINTING MFG. CO. PVT LTD.
PARSI PANCHAYAT ROAD, ANDHERI (EAST)
BOMBAY - 400 069.

FOR : **CHAMPION SUPER METALLIC STYLE 54**

CO-ORDINATED BY : CRE (NASIK)

This is to certify that Champion Super Metallic Style 54 developed by M/s Asbestos & Jointing Mfg Co Pvt Ltd satisfies the technical requirements as laid down in Appendix I and satisfactorily completed the tests stipulated by Directorate of Aeronautics as per Appendix II.

2. SCOPE OF APPROVAL :

Champion super Metallic style 54 in the range of thickness 0.8 to 1.6 mm is cleared for manufacture of Gasket part Nos. 0257022, 0253501 and 0257117 for R11F series engines. This material can be used in Lieu of Russian Material Ferronite Conforming to specification TYMX 4240-54.

3. BASIS OF APPROVAL :

- i) Satisfactory fulfilment of Technical requirements as per Appendix I.
- ii) Satisfactory lab tests as detailed in Appendix II.
- iii) Satisfactory performance of the gaskets part Nos. 0257022, 0253501 and 0257117 proved on engine serial No. HDR 50152 during prolong test.

4. This approval is contingent upon the quality control aspects of bulk production being cleared by DTD&P (Air), Ministry of Defence, New Delhi.

5. Prior agreement of Directorate of Aeronautics will have to be obtained if this approval is transferred to any other agency or if changes within the Type Record are effected.

Encl : Appendix I & II

No. : AERO/RD-132/144/6

Date : 17 Mar 1976



(VIVEK R SINHA)
Director of Aeronautics