

# Anodising on Titanium Alloys

U R Rao Satellite Centre (URSC) of Indian Space Research Organisation (ISRO) has developed anodizing process for Titanium and its alloys to impart corrosion resistance and multicolored aesthetic appearances used for colour coding applications.

## Salient Features

Anodising on Titanium alloys imparts a coloured aesthetic appearance to the base alloys. It is used as corrosion resistance coating as well as aesthetic architectural material in construction industries.

## Typical Properties / characteristics:

APPeARAnCe	UnIFoRM CoAtInG
Thickness	$\cong 500 \text{ \AA}$
IR Emittance ( $\epsilon_{\text{IR}}$ )	$\cong 0.25 \pm 0.05$
Solar Absorptance ( $\alpha_{\text{s}}$ )	$\cong 0.70 \pm 0.05$

## Technology Transfer from ISRO

ISRO is willing to offer the knowhow of this technology to suitable entrepreneurs / industries in India. Capable manufacturing industries interested in acquiring this knowhow may write with details of their present activities, requirements and plans for implementation, infrastructure and technical expertise available with them, their own market assessment, if any, and plans for diversification to the address given below: