

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.

Major Specifications

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|---|-----------------------|
| APPEARANCE | Uniform coating |
| THICKNESS | $\cong 500\text{\AA}$ |
| IR EMITTANCE (ϵ_{IR}) | $\cong 0.25 \pm 0.05$ |
| SOLAR ABSORPTANCE (α_{S}) | $\cong 0.70 \pm 0.05$ |

Technology Transfer

URSC-ISRO offers to transfer this Titanium Anodizing process developed by URSC to industries in India with adequate experience and facilities. Industries interested in obtaining knowhow may write giving details of their present activities, infrastructure and facilities.

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🌐 <https://www.ursc.gov.in/industry/index.jsp>