

Metallised PET films

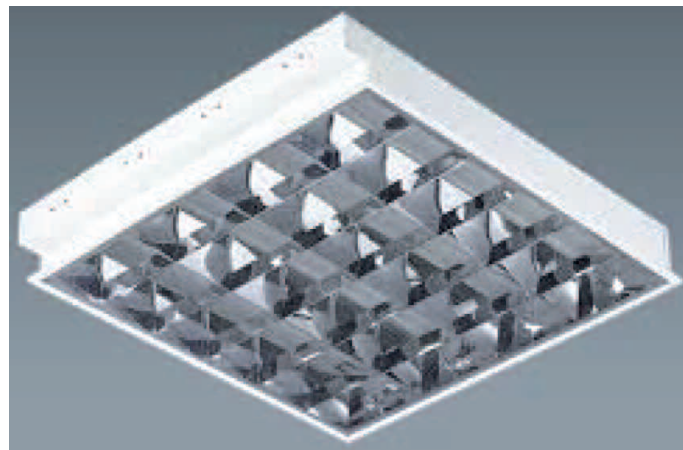
Tata Steel offers a range of specialised Metallised PET films with mirror, patterned, brushed and coloured finishes

These highly decorative films can be applied to both steel and aluminium and offer a tough and resilient surface capable of performing many post forming operations.

Metallic effects are available in a wide range of finishes including silver (mirror), gold, pewter and copper.

Metallised films applied to metal substrates provide a finish that lasts and lasts. The films are abrasion and corrosion resistant. Also they don't tarnish or scratch and are resistant to most household cleaners.

Metallised films supplied by Tata Steel deliver cost savings alternatives to polishing, anodizing or plating metals.



Key properties

Metallised PET films

Nominal paint thickness	µm	21–25
Colours		Mirror, Gold, Brushed SS, Copper, Pewter, Bronze
Flexibility: Minimum bend radius	T	1 min.
Adhesion: Cross hatch (7.5 mm)	%	100
Humidity	H	1000
UV resistance (1000 hrs UV-B)	DE	<1.00
Chemical resistance		Resistant to most household cleaners
Pencil hardness (minimum)		H-2H

Possible Applications

- Office, Bedroom and Kitchen Furniture.
- Small household appliance trim and decorative parts.
- Look-alike brushed Stainless Steel, Copper, Pewter and Bronze parts.
- Electrical switch and socket plates.
- Picture framing.
- Solar reflectors.
- Lighting.

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Dimensional capability

Products are available in a range of widths from 6.5 mm up to a maximum of 560 mm and in gauges from 0.15 mm to 1.2 mm for both ferrous and aluminium substrates.

To protect the film surface during forming, drawing, handling or transit, Tata Steel can apply additional plastic coated strippable films during the coating operation.

Substrate compositions

- Cold reduced steel to EN 10130.
- Hot dipped galvanised steel to EN 10346.
- Aluminium and alloys to EN 573, EN 485 and EN 515.

Compliance statement

Metallised PET films are free of hexavalent chrome, heavy metals and Substances of Very High Concern and as such fully comply with the requirements of the REACH Regulation (EC) No. 1907/2006.

Contact Tata Steel for more information and technical advice or to request samples

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