

Graphic Overlay Artwork Checklist

Artwork, color, material, window and finishing details needed for custom graphic overlays.

Use this before sending overlay artwork for a new product launch, nameplate, lens, dead-front panel or replacement supplier project.



Graphic overlay artwork, windows, surface finish and adhesive must be re

Engineering source notes

- Artwork guidelines from peer manufacturers emphasize editable vector files, outlined fonts, bleed, color references and separated cut/window/print layers.
- Hardcoated polyester film is widely used for durable HMI overlays, membrane switches, labels and capacitive touch interfaces.
- Window clarity, dead-front opacity, surface finish and adhesive are engineering decisions, not only visual artwork decisions.

Artwork package

Project / model	Artwork file name
_____	_____
Artwork revision	Drawing revision
_____	_____
Language/version	Approval contact
_____	_____

File and print data

- Artwork is supplied in editable vector format such as AI, PDF, EPS, SVG, DXF or DWG when possible.
- Fonts are outlined or font files are supplied.
- Linked images are embedded or supplied separately at sufficient resolution.
- Colors are specified with Pantone, RAL, CMYK or approved sample.
- Critical logo, warning mark, regulatory mark and brand color areas are identified.
- Bleed, safe margin, cut line, print layer and transparent window outlines are separated.

Material and surface

- [] Overlay material is selected: PET, PC, acrylic, glass or other specified material.
- [] Thickness and surface finish are defined: gloss, matte, texture, velvet, anti-glare or hard coat.
- [] UV, chemical, abrasion, antimicrobial or outdoor requirements are stated when relevant.
- [] Transparent display windows and LED windows have haze, clarity and scratch requirements.
- [] Dead-front icons, hidden windows and selective translucency areas are marked.
- [] Adhesive backing and release liner requirements are stated.

Forming, embossing and fit

- [] Embossed keys, rim emboss, pillow emboss or raised logos are dimensioned.
- [] Cut-outs, holes and outer profile tolerances are stated.
- [] Window alignment to LCD, LED, PCB, enclosure and gasket is checked.
- [] Corner radius and narrow bridge areas are manufacturable.
- [] Artwork orientation matches the final assembly direction and connector/tail route.
- [] Inspection sample or golden sample is available if matching an old part.

Common artwork risks to check early

- Raster-only logo or screenshot artwork that cannot scale cleanly.
- Unclear color references between screen view, digital proof and printed film.
- Transparent windows too close to cuts, adhesive openings or embossing.
- Legends too close to key edges or sealing land.
- Dead-front icons that need lighting tests before mass production.
- Revision mismatch between mechanical drawing, artwork and circuit file.

Approval notes

Color approved by

Surface finish approved by

Window clarity approved by

Embossing approved by

Adhesive approved by

Open items

Technical references reviewed

- MacDermid Alpha Autotex hardcoated polyester films: <https://www.macdermidalpha.com/products/film-smart-surface-solutions/>
- 3M 467MP / 468MP adhesive technical data sheets:
<https://multimedia.3m.com/mws/media/2366204O/3m-adhesive-transfer-tape-467mp.pdf>
- JASPER factory engineering review practice and public product/resource pages: <https://www.jasperele.com/>

Send drawings and requirements to JASPER

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