# Fluted Acrylic Sheet

Clear and Iridescent · extruded acrylic, one-sided flute

MASTER SHEET
**48" × 96"**

**ALL SPECIFICATIONS VERIFIED 1 SEPTEMBER 2026.** Profile dimensions are measured from stock, not taken from a supplier reference. Contact us for a sample or a cut-to-size quote.

## PROFILE — CROSS SECTION

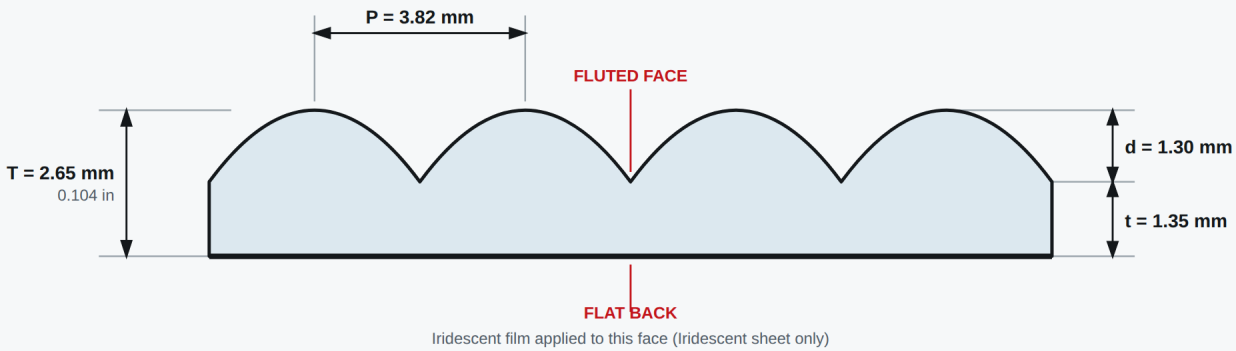



Fig. 1 — Flute profile, transverse section, shown enlarged and not to page scale. Millimetres, with inch equivalents in the table below. Pitch 3.82 mm equals 6.65 flutes per inch, approximately 319 flutes across a 48 in sheet width. Rounded crest, continuous along the sheet; one face fluted, reverse face flat.

## PROFILE DATA

| | |
|---|---|
| **Flute pitch, P** | 3.82 mm / 0.150 in |
| **Flute depth, d** | 1.30 mm / 0.051 in |
| **Base thickness, t** | 1.35 mm / 0.053 in |
| **Overall thickness, T** | 2.65 mm / 0.104 in |
| **Flutes per inch** | 6.65 |
| **Flutes across 48 in** | approx. 319 |
| **Crest form** | Rounded, continuous |
| **Reverse face** | Flat, glossy |

## SHEET AND MATERIAL

| | |
|---|---|
| **Material** | Extruded acrylic (PMMA) |
| **Master sheet** | 48 × 96 in / 1219 × 2438 mm |
| **Flute direction** | Parallel to the longest dimension |
| **Surface finish** | Glossy both faces |
| **Iridescent film** | Flat back face |
| **Protective masking** | Polyethylene, both faces |
| **Light transmission** | 90% clear / 85% iridescent |
| **Cut tolerance** | +/- 1/8 in pre-cut |

### Clear Fluted Acrylic Sheet

Colorless extruded acrylic. The flutes refract and stretch whatever sits behind them, giving privacy without losing light. For partitions, cabinet fronts, reception faces and light diffusers.

### Iridescent Fluted Acrylic Sheet

The same profile with an iridescent film on the flat back, so the shift through gold, rose and lilac is seen *through* the flutes. The ribs break it into bands and the wear face stays bare acrylic.

## FABRICATION AND SPECIFICATION NOTES

- Cut to size, laser cut, CNC routed, drilled, edge polished and UV printed in our workshop at 345 Canal Street.
- Flutes run parallel to the longest dimension: the 96 in on a full sheet, the 24 in on a 12 × 24. A panel rotated 90° reads as a different material, so state orientation on drawings.
- On squares (12 × 12, 24 × 24, 2 × 2) specify flute direction when ordering.
- Extruded, not cast. Relieve stress before solvent cementing, and expect a lower-contrast mark when laser engraving.
- The iridescent film is on the flat back. Any adhesive or fixing bearing on the back bears on the film; a cut edge exposes it.
- Measure clamping and channel details against the base thickness t, not the overall thickness T.
- 2 × 2 in samples available. Indoor and decorative use.