

What is Lasertec 2-Ply?

Lasertec 2-Ply

Two-layer laminate for two-colour laser engraving

Lasertec 2-Ply shares the basic construction of Lasertec but is built up from two differently coloured layers. Engraving or milling at two different depths reveals two contrasting colours without any need to fill or inlay the lettering afterwards.

Construction and principle

As with Lasertec, the base material is acrylic glass. The 2-Ply construction stacks two differently coloured layers. Controlling the engraving or milling depth determines which colour layer becomes visible at any given point.

Lasertec 2-Ply is processed by laser engraving, laser cutting and milling. Since the milling depth determines the colour result, the machining program should be set up accordingly.

Typical Properties

- Two-layer construction in acrylic glass
- Engraving/milling at two depths
- Two colours without colour fill
- UV-stable, scratch-resistant cap layer
- Largely resistant to acids

Product Examples

- Multi-colour nameplates
- Control panel labelling with two colour layers
- Signage with colour-contrasted pictograms
- Engraved award and presentation plaques

Typical Industries

- Signage and labelling technology
- Nameplate manufacturing
- Advertising and display technology
- Multi-colour control panels
- Architectural wayfinding systems

	Test Method	Unit	Value
Construction and Processing			
Material basis			Acrylic glass, two-layer
Engraving principle			two depths, two colours
Colour fill required			no
Cap layer			UV-stable, scratch-resistant
Processing			Engraving, milling, cutting

The information on this product describes the material's typical characteristics and is intended as an aid to material selection. It does not constitute a legally binding assurance of specific properties. Colour combinations and formats are available on request; we recommend a sample test with the intended engraving or milling depths before starting series production.