

What is Transply HD

Transply HD

Weather-resistant two-layer engraving laminate for laser engraving

Transply HD is the weather-resistant version of Transply: the same two-layer construction of a thin cap layer and contrasting core layer, enhanced with a surface finish that allows permanent outdoor use.

Construction and Working Principle

As with standard Transply, a thin, coloured cap layer sits on a contrasting core layer, producing a sharply defined, near chip-free engraving without a shadow effect. In addition, the surface is specifically finished for resistance to UV radiation and weathering.

Advantages

- Fine, crisply defined engraving results without shadow effect

Disadvantages

- For purely indoor signage, the more economical standard Transply is usually sufficient

Processing and Applications

Transply HD is processed the same way as the standard material, by laser engraving or CNC routing.

- Suitable for signage in permanent outdoor use

Typical Properties

- Two-layer construction with an ultra-thin cap layer for extremely fine, near chip-free letter engraving
- Weather-resistant, matte surface finish for permanent outdoor use
- Laser- and CNC-machinable

Product Examples

- Outdoor nameplates
- Outdoor directional signs
- Outdoor plant and equipment labeling

Typical Industries

- Outdoor signage and open-area labeling
- Labeling and engraving technology
- Nameplate manufacturing
- Sign making and visual communication
- Machinery and plant engineering

Test Method	Unit	Value
Construction and Processing		

Test Method	Unit	Value
Material construction / Processing / Colours		Two-layer laminate (cap/core layer), matte, UV- and weather-resistant finish; laser- and CNC-machinable, single- or double-sided; 14 colour combinations – see colour overview

This text provides a general overview and does not replace application-specific advice; please contact us for formats, colour options and guidance on your use case.