

THE CLEAR PROTECTION

 **Tro** **PROTECT**
GLOSS THERMAL

NEW!

- ✓ high-gloss
- ✓ scratch-proof
- ✓ lubricious surface
- ✓ good tear resistance
- ✓ odorless
- ✓ hot foil stampable*
- ✓ overcoatable*
- ✓ glueable*

*see reverse page

SPECIFICATION

The TroPROTECT GLOSS THERMAL is an acrylic coated, biaxially oriented polypropylene foil; the backside is coated with EVA Hotmelt. The EVA needs some time for optimal curing. The time for curing depends on the used base material and should be tested before further processing. The thickness of the film is 28 µm (± 5 %); the foil can be used for materials of various kinds. The optimum processing temperature of the laminating roll is between 100 °C and 115 °C.

PROPERTIES OF THE FILM:

1. high-gloss, lubricious surface
2. scratch-proof
3. good tear resistance
4. odorless
5. suitable for hot stamping (test required)
6. suitable for spot coatings with radical UV-curing systems (test required)
7. glueable (test required / tests made on a folder gluing machine with different water-based glues brought a good result).

QUALITY

Each master roll is tested and logged for gloss, surface energy, bonding and coating homogeneity before, during and after the coating process.
 The reels have maximum winding and cutting quality.
 At the beginning of each production process (change of varnish or film batch), a few meters get laminated and will be reviewed by our quality department.
 Slight differences in the color of ready-made rolls can occur throughout the production process, are normal and are only visible on the roll. They have no negative impact on the finished end product.

SIZE AND PACKAGING

The films are available in widths from 160 mm to 1,440 mm. Each roll is wound on a 3" (76.2 mm) core and has at least 2,000 running meters on it. For each splice, we deliver 50 extra service meters. The coating is on the outside of the roll ; EVA is on the inside.

TYPE	TroPROTECT GLOSS THERMAL
THICKNESS	28 µm ± 5 %
WEIGHT	≈ 25.5 g/m ²
YIELD	≈ 39.22 m ² /kg
FREE SURFACE ENERGY	≥ 40.0 mN/m *
GLOSS 60°	90 ± 3

* Measured with KRÜSS Surface Analyzer