

# THE EXTRA PROTECTION

**NEW!**

- ✓ extra matt surface
- ✓ extra scratch-proof
- ✓ outstanding feel
- ✓ good tear resistance
- ✓ hot foil stampable\*
- ✓ overcoatable\*
- ✓ glueable\*
- ✓ optimized for digital printing

\*see reverse page

#### SPECIFICATION

The TroPROTECT-X MATT DIGITAL is an acrylic coated, biaxially oriented polypropylene foil; the backside is coated with EVA hot melt.

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 30 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. matt, smooth surface
2. scratch-proof
3. good tear resistance
4. suitable for hot stamping (test required)
5. suitable for spot coatings with radical UV-curing systems (test required)
6. glueable (test required / tests made on a folder gluing machine with different water-based glues brought a good result).
7. optimum bonding to substrate for digital printing

#### 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.

#### SIZE AND PACKAGING

The films are available in the standard widths 315 mm, 325 mm, 350 mm, 445 mm, 450 mm and 495 mm. Special widths can only be produced after consultation. Each roll is wound on a 3" (76.2 mm) core and has at least 1,500 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-X MATT DIGITAL
THICKNESS	30 µm ± 5 %
WEIGHT	≈ 26 g/m <sup>2</sup>
YIELD	≈ 38.5 m <sup>2</sup> /kg
FREE SURFACE ENERGY	≥ 40.0 mN/m *
GLOSS 60°	4.5 ± 1

\* Measured with KRÜSS Surface Analyzer