

# Protect X Matt

(anti-scuff)

## PRINT LAMINATION FILM

*Available in Thermal , Wet and Digital*

PROTECT MATT is an acrylic coated, biaxially oriented polypropylene film; the backside is coated with EVA hot melt. The EVA needs some time for optimal curing. The time for curing depends on the base material used and should be tested before further processing.

The thickness of the film is 30  $\mu\text{m}$  ( $\pm 5\%$ ); the film can be used for materials of various kinds. The optimum processing temperature of the laminating roll is between 100 °C and 115 °C

### FEATURES:

- Matt Smooth surface
- Scuff resistant
- Good tear resistance
- Suitable for hot foil stamping (test required)
- Suitable for gloss and silk spot coatings with radical UV-curing system (test required)
- Glueable (test required/ tests were made on a folder gluing machine with water based glues)

### THERMAL:

FILM TYPE:	Thermal
THICKNESS:	30 microns
YIELD:	38.00 m <sup>2</sup> /kg
SURFACE TENSION:	40 dyne/cm
RUNNING TEMPERATURE:	100 to 115 °C

### WET:

FILM TYPE:	Wet
THICKNESS:	17 $\mu\text{m}$ $\pm 5\%$
WEIGHT:	13.5g/m <sup>2</sup>
YIELD:	74.07 m <sup>2</sup> /kg
SURFACE ENERGY:	min. 40 mN/m*
GLOSS 85 °C:	4.5 $\pm 1$

### DIGITAL:

FILM TYPE:	Digital
THICKNESS:	30 microns
YIELD:	38.50 m <sup>2</sup> /kg
SURFACE TENSION:	40 dyne/cm
RUNNING TEMPERATURE:	100 to 115 °C

\* Measured with KRÜSS Surface Analyzer