

UPM Raflatac Technical Information

13-03-2022 EN SI

Product **CASTGLOSS BOARD 170-FSC / EXTRA PERMANENT / KRAFT SPECIAL 90 / SOLID UNPRINTED**

Sales Code FRI/SP3H/14/WO

Product use Product designed for very high printing quality, high-gloss, mirror-like finish and high rigidity labels. Especially recommended for premium promotional labels, point of sale displays and big size wall decoration labels requiring easy hand application.

Typical technical values

Face **CASTGLOSS BOARD 170-FSC**

Product High gloss one side castcoated board.

Substance 170 g/m² ISO 536

Caliper 186 µm ISO 534

Tensile strength MD 8,5 kN/m ISO 1924/1

Tensile strength CD 5,2 kN/m ISO 1924/1

Brightness 88 % ISO 2470/1

Roughness 0,7 µm ISO 8791 PPS 10

Opacity 99 % ISO 2471

Printability Offset, flexo, letterpress, rotogravure, screen and hot foil stamping.

Sustainability The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879.

Additional info sheets Testing recommended for ink area coverage using high screening pattern.

Adhesive **SP3H**

Type Strong universal permanent for sheets.

Composition Modified acrylic dispersion.

Use Particularly suitable for applications where very high initial adhesion to rough surfaces is required. Very good resistance to edge-lifting (=flagging). Also recommended for use on curved surfaces and corrugated cardboard. Good heat resistance.

Tack 13 N/25mm FTM 9

Shear min 2 h FTM 8

Limitations Due to adhesive nature we are recommending to take special attention when guillotining: lower stack height, more frequent knives cleaning, using of silicone spray to keep blades free from adhesive build-up.

Backing **KRAFT SPECIAL 90**

Product White woodfree kraft backing paper.

Substance 86 g/m² ISO 536

Caliper 87 µm ISO 534

Tensile strength MD 8,7 kN/m ISO 1924

Tensile strength CD 3,8 kN/m ISO 1924

Performance

Total caliper 293 µm
Minimum labelling temperature 5 °C
Service temperature -10 to 80 °C
Shelf life From date of manufacture: 24 months, under FINAT defined storage conditions (+20-25 °C and RH 40-50%). Prolonged storage at higher temperatures and/or humidity levels will shorten the shelf life.

Information

Product availability Standard range. (Other sizes and/or components available upon request).

STANDARD SHEET SIZE (CM)	50x70 / 100x70
PACKAGING TYPE	Ream wrapped / Bulk

Approvals

Approvals Toy labeling: This product complies with the European Standard EN71-3:2013 "Safety of Toys" - Migration of certain elements.

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