



新莱福

NEWLIFE
NEW MATERIAL

Flexstone® Eco-Material

MANUFACTURER

NEWLIFE NEW MATERIAL

NEWLIFE FLEXTONE ECO-MATERIAL SPECIFICATION

FLEXSTONE ECO-FILM WITH DPA ADHESIVE FOR INKJET PRINTING

Edition: A0 NO: NMEQS-MACO 303

Flexstone Eco-material is an emerging printing substrate that offers distinct environmental benefits, as it replaces wood pulp with calcium carbonate mineral powder, eliminating tree consumption and process water usage during production. In terms of physical properties, the material provides balanced flexibility and mechanical strength, with good heat resistance suitable for high-temperature printing processes. Its specially engineered coating ensures excellent ink adhesion, while the warm white shade—combined with outstanding opacity—faithfully reproduces the tonal range and color fidelity of high-resolution images. Additionally, its inherent water resistance makes it a durable and functional choice for applications such as outdoor posters, washable labels, and restaurant menus, where both performance and longevity are required.

PHYSICAL DATA:

For (eco) solvent, Latex and UV printing:

PART NO.	Surface Thickness	Total Thickness	Weight (G/M2)	Gloss (°)	Whiteness (wb)	Opacity (%)	Standard Size
FS-S17-DPA	0.17mm / 6.7mil	0.27mm / 10.6mil	270±32	3-8	≥82	≥90	50Mx1270mm
FS-S22-DPA	0.22mm / 8.7mil	0.32mm / 12.6mil	320±32	3-8	≥82	≥90	50Mx1370mm 50Mx1524mm

For UV printing:

PART NO.	Surface Thickness	Total Thickness	Weight (G/M2)	Gloss (°)	Whiteness (wb)	Opacity (%)	Standard Size
FS-K15-DPA	0.15mm / 6mil	0.15mm / 10mil	250±25	9-12	≥82	≥90	50Mx1270mm
FS-K20-DPA	0.20mm / 8mil	0.30mm / 12mil	300±30	9-12	≥82	≥90	50Mx1370mm
FS-K25-DPA	0.25mm / 10mil	0.35mm / 13.8mil	350±35	9-12	≥82	≥90	50Mx1524mm

PROCESS AND STORAGE:

- Working condition: temperature 15°C/59°F to 30°C/86°F, and relative humidity 30% to 60%.
- Application condition: temperature -20°C/-4°F to 60°C/140°F, relative humidity 20% to 80%. Temperature variability within 30min should be less than 15°C difference.
- Storage condition: In original box out of direct sunlight, in temperature 10°C/50°F to 35°C/95°F, relative humidity 20% to 70%
- Shelf life: 12 months under storage condition. Unfinished material should be seal-packed and used up in 1 month.

ADHESION INFORMATION:

DPA is a high tack acrylic removable adhesive with dot pattern. It provides moderate initial tack for easy repositioning during installation, while the air release channels enable bubble free application. With excellent holding power and outstanding weatherability, it resists lifting and deformation over time, ensuring reliable adhesion across a wide range of environments. Ideal for smooth surfaces, it can be cleanly removed for up to 6 months indoors.

ADHESION DATA:

STATIC SHEARING (HOLDING POWER)	25mm×25mm areas hang 0.5kg	without slide in 24 hours
INITIAL ADHESION ROLLING BALL	GB/T4852-2002 6-8# steel ball	≤100mm