



新莱福

NEWLIFE
NEW MATERIAL

Flexstone® Eco-Material

MANUFACTURER

NEWLIFE NEW MATERIAL

NEWLIFE FLEXSTONE ECO-MATERIAL SPECIFICATION

FLEXSTONE ECO-MATERIAL WITH WALL FABRIC

Edition: A0 NO: NMEQS-MACO 299

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-S22-FAB5	0.22mm / 8.6mil	0.5mm / 20mil	320±32	3-8	≥82	≥95	50Mx1500mm
FS-S27-FAB5	0.27mm / 10.6mil	0.55mm / 22mil	370±37	3-8	≥82	≥95	
FM-S22-FAB5	0.22mm / 8.6mil	0.5mm / 20mil	360±36	3-8	≥82	≥92	
FM-S27-FAB5	0.27mm / 10.6mil	0.55mm / 22mil	420±42	3-8	≥82	≥92	

Other thickness will come soon.

For UV printing:

PART NO.	Surface Thickness	Total Thickness	Weight (G/M2)	Gloss (°)	Whiteness (wb)	Opacity (%)	Standard Size
FS-K20-FAB5	0.20mm / 8mil	0.5mm / 20mil	300±30	9-12	≥82	≥95	50Mx1500mm
FS-K25-FAB5	0.25mm / 10mil	0.55mm / 22mil	350±35	9-12	≥82	≥95	
FM-K20-FAB5	0.20mm / 8mil	0.5mm / 20mil	340±34	9-12	≥82	≥92	
FM-K25-FAB5	0.25mm / 10mil	0.55mm / 22mil	400±40	9-12	≥82	≥92	

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.