

Flexstone[®] Eco-Material

Label & Hang Tag Solutions



Why Choose Flexstone Eco-Material for Labels & Hang Tags?

Labels and hang tags are the first tangible touchpoint between a brand and its consumers. **Flexstone Eco-Material** replaces wood pulp with calcium carbonate mineral powder in production, achieving zero tree consumption and zero process water usage - reducing environmental impact from the very start. The material offers 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 tone and outstanding opacity accurately reproduce the depth and color of high-resolution images - delivering sharpness and saturation in every print.

For wide-web roll applications, **Flexstone** delivers distinct advantages in flatness, heat resistance, and printing compatibility. It runs smoothly at high speeds without curling or warping, withstands high-temperature processes, and is compatible with a wide range of printing methods - from conventional offset, gravure, and flexo to digital (eco) solvent, latex, and pigment inkjet, as well as HP Indigo and toner-based digital systems.

Whether for garment hang tags, cosmetic labels, logistics labels, or removable promotional stickers, **Flexstone** provides tailored solutions - from non-adhesive hang tags to permanent adhesive labels and removable adhesive labels - covering the full spectrum of application needs.

Product Series Overview

Flexstone Eco-Material is offered in three density series, accommodating diverse requirements from soft, lightweight, and paper-like to rigid and high-stiffness, making them suitable for a broad spectrum of label and hang tag applications.

Series	Density	Key Features
FS Series	1.0	Soft, Lightweight, High Opacity, Paper-Like Textured Surface
FM Series	1.2	Balanced Flexibility, Good Heat Resistance, Fine Surface, Excellent Opacity
FG Series	1.4	Rigid, Good Heat Resistance, Fine Surface, Moderate Opacity

Flexstone® Eco-Material VS Traditional Label Materials Performance Comparison

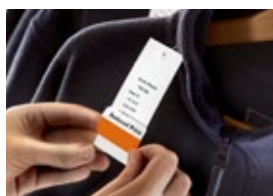
Comparison	Flexstone® Eco-Material	VS	Coated Paper Labels	VS	PP Synthetic Labels
Raw Material	Calcium Carbonate 60~80% + Resin		Wood Pulp Fiber		Polypropylene (Petroleum-based)
Trees Used	0 Trees		Trees Required		0 Trees
Water Usage	Near Zero		High Consumption		Near Zero
Waterproof	Fully Waterproof		Disintegrates When Wet		Fully Waterproof
Tear Resistance	High		Low (Easily Torn)		Varies By Process
Opacity	Outstanding		Outstanding		Varies By Process
Base Color	Warm White (Color Customizable)		Varies Widely		Cool White (Plastic-like)
Printability	Excellent		Excellent		Requires Specific Inks
Heat Resistance	Excellent		Moderate		Moderate
Eco Credentials	Tree-free, Water-free, No Bleach, Recyclable		FSC (limited)		Recyclable

Product Formats in Detail

► Hang Tag (No Adhesive)

Flexstone hang tag material offers excellent stiffness and texture with a smooth, refined surface and a naturally warm white appearance. Fully waterproof and tear-resistant, it ensures tags remain intact and presentable throughout transport and handling. All three density series are available — FS series delivers a soft, paper-like feel; FG series provides rigid support; FM series offers a balanced combination of flexibility and stiffness.

» Applications



Garment & footwear hang tags



Retail price tags



Product inserts & leaflets



Gift & packaging hang cards



Event & exhibition badges

Recommended Weight: 200–350 g/m²

Recommended Printing: Offset, Digital, HP Indigo

Recommended Weight: 200–350 g/m²

Thickness	Part No.	Weight	Printing
0.20mm / 8mil	FS-2K20	200gsm	Offset, UV
	FM-2K20	240gsm	
	FG-2K20	280gsm	
0.25mm / 10mil	FS-2K25	250gsm	
	FM-2K25	300gsm	
	FG-2K25	350gsm	
0.30mm / 12mil	FS-2K30	300gsm	
	FM-2K30	360gsm	
	FG-2K30	420gsm	
0.35mm / 13.8mil	FS-2K35	350gsm	
	FM-2K35	420gsm	
	FG-2K35	490gsm	

Thickness	Part No.	Weight	Printing
0.20mm / 8mil	FS-2I20	200gsm	Indigo
	FM-2I20	240gsm	Indigo
	FG-2I20	280gsm	Indigo, Toner
0.25mm / 10mil	FS-2I25	250gsm	Indigo
	FM-2I25	300gsm	Indigo
	FG-2I25	350gsm	Indigo, Toner
0.30mm / 12mil	FS-2I30	300gsm	Indigo
	FM-2I30	360gsm	Indigo
	FG-2I30	420gsm	Indigo, Toner
0.35mm / 13.8mil	FS-2I35	350gsm	Indigo
	FM-2I35	420gsm	Indigo
	FG-2I35	490gsm	Indigo, Toner

Product Formats in Detail

► Permanent Adhesive Label

Flexstone facestock combined with permanent acrylic adhesive delivers high initial tack and strong holding power, making it suitable for applications requiring long-term secure adhesion. The material is fully waterproof and tear-resistant, ensuring labels remain intact and legible throughout the product lifecycle.

» Applications



Cosmetic & personal care labels



Food & beverage labels



Logistics & shipping labels



Industrial & chemical labels



Wine & bottle labels

Recommended Weight: 100–200 g/m²

Recommended Printing: Offset, Flexographic, Digital

Thickness	Part No.	Weight	Printing
0.10mm / 4mil	FS-K10-PSA	200gsm	Offset, UV
	FM-K10-PSA	220gsm	
	FG-K10-PSA	240gsm	
0.15mm / 6mil	FS-K15-PSA	250gsm	
	FM-K15-PSA	280gsm	
	FG-K15-PSA	310gsm	
0.20mm / 8mil	FS-K20-PSA	300gsm	
	FM-K20-PSA	340gsm	
	FG-K20-PSA	380gsm	

Thickness	Part No.	Weight	Printing
0.10mm / 4mil	FS-I10-PSA	200gsm	Indigo, Toner
	FM-I10-PSA	220gsm	
	FG-I10-PSA	240gsm	
0.15mm / 6mil	FS-I15-PSA	250gsm	
	FM-I15-PSA	280gsm	
	FG-I15-PSA	310gsm	
0.20mm / 8mil	FS-I20-PSA	300gsm	
	FM-I20-PSA	340gsm	
	FG-I20-PSA	520gsm	

Product Formats in Detail

➤ Removable Adhesive Label

Flexstone surface material paired with removable adhesive allows repeated peeling and re-positioning. It leaves no adhesive residue and causes no damage to the substrate upon removal. It is especially suitable for scenarios requiring flexible replacements, such as temporary signage and promotional campaigns.

➤➤ Applications



Promotional & event stickers



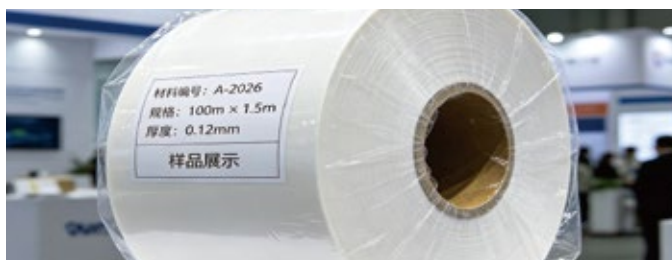
Temporary signage & notice labels



Shelf labels (replaceable)



Rental product labels



Exhibition & sample labels

Recommended Weight: 100–200 g/m²

Recommended Printing: Offset, Digital, UV Printing

Thickness	Part No.	Weight	Printing
0.10mm / 4mil	FS-K10-RSA	200gsm	Offset, UV
	FM-K10-RSA	220gsm	
	FG-K10-RSA	240gsm	
0.15mm / 6mil	FS-K15-RSA	250gsm	
	FM-K15-RSA	280gsm	
	FG-K15-RSA	310gsm	
0.20mm / 8mil	FS-K20-RSA	300gsm	
	FM-K20-RSA	340gsm	
	FG-K20-RSA	380gsm	

Thickness	Part No.	Weight	Printing
0.10mm / 4mil	FS-I10-RSA	200gsm	Indigo, Toner
	FM-I10-RSA	220gsm	
	FG-I10-RSA	240gsm	
0.15mm / 6mil	FS-I15-RSA	250gsm	
	FM-I15-RSA	280gsm	
	FG-I15-RSA	310gsm	
0.20mm / 8mil	FS-I20-RSA	300gsm	
	FM-I20-RSA	340gsm	
	FG-I20-RSA	520gsm	



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