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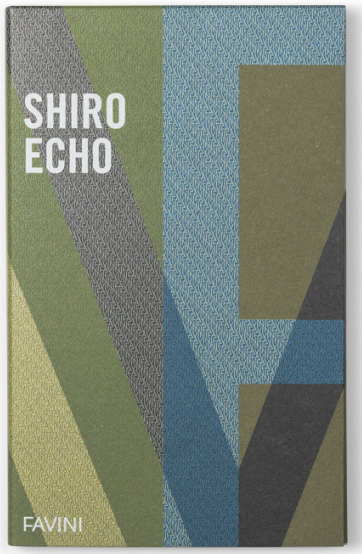
Technical Data Sheet | 18.11.2026

SHIRO ECHO



PRODUCT DESCRIPTION

Shiro Echo resets perceptions of 100% recycled paper not as a substitute product but as the desirable first choice for high end print and luxury packaging projects

Proudly FSC™ certified recycled credit system, highlighting its commitment to being both recyclable and biodegradable. Shiro Echo is made using electricity from certified renewable sources and supports the offsetting of unavoidable CO_2 emissions through Carbon Credits.

TECHNICAL DATA

THE FOLLOWING DATA REFERS TO SHIRO ECHO WHITE

	METHOD		+/-	80 g/m²	90 g/m²	100 g/m²	120 g/m²	140 g/m²	160 g/m²	200 g/m²	250 g/m²	300 g/m²	350 g/m²
BASIC WEIGHT	ISO 536	g/m²	5%	80	90	100	120	140	160	200	250	300	350
THICKNESS	ISO 534	µm	5%	102	114	128	150	175	200	252	315	378	440
BULK	ISO 534	cm²/g	-	1,28	1,28	1,28	1,25	1,25	1,25	1,26	1,26	1,26	1,26
CIE WHITENESS	ISO 11475	%	4	96	96	96	96	96	96	96	96	96	96
ROUGHNESS (BENDTSEN)	ISO 8791-2	ml/min	50	240	240	240	240	240	240	-	-	-	-
			150	-	-	-	-	-	-	500	500	500	500
OPACITY	ISO 2471	%	-	>88	>89	>91	>92	>93	-	-	-	-	-
MOISTURE CONTENT	ISO 287	%	1,0	5,5	5,5	5,5	6,0	6,0	6,0	6,5	6,5	6,5	6,5

THE FOLLOWING DATA REFERS TO SHIRO ECHO BRIGHT WHITE

	METHOD		+/-	90 g/m²	120 g/m²	140 g/m²	160 g/m²	200 g/m²	250 g/m²	300 g/m²	350 g/m²
BASIC WEIGHT	ISO 536	g/m²	5%	90	120	140	160	200	250	300	350
THICKNESS	ISO 534	µm	5%	114	150	175	200	252	315	378	440
BULK	ISO 534	cm²/g	-	1,27	1,25	1,25	1,25	1,26	1,26	1,26	1,26
CIE WHITENESS	ISO 11475	%	4	134	134	134	134	134	134	134	134
ROUGHNESS (BENDTSEN)	ISO 8791-2	ml/min	50	240	240	240	240	-	-	-	-
			100	-	-	-	-	500	500	500	500
OPACITY	ISO 2471	%	-	>89	>92	>93	-	-	-	-	-
MOISTURE CONTENT	ISO 287	%	1,0	5,5	6,0	6,0	6,0	6,5	6,5	6,5	6,5

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THE FOLLOWING DATA REFERS TO SHIRO ECHO RAW SAND AND RAW GREY

	METHOD		+/-	120 g/m²	200 g/m²	250 g/m²	350 g/m²
BASIC WEIGHT	ISO 536	g/m²	5%	120	200	250	350
THICKNESS	ISO 534	µm	5%	156	256	325	458
BULK	ISO 534	cm²/g	-	1,30	1,28	1,30	1,31
ROUGHNESS (BENDTSEN)	ISO 8791-2	ml/min	150	500	700	-	-
			200	-	-	1000	1100
MOISTURE CONTENT	ISO 287	%	1,0	6,5	6,5	6,5	6,5

THE FOLLOWING DATA REFERS TO SHIRO ECHO RAW GREEN, RAW RED, RAW ANTHRACITE AND RAW BLUE

	METHOD		+/-	120 g/m²	250 g/m²	350 g/m²
BASIC WEIGHT	ISO 536	g/m²	5%	120	250	350
THICKNESS	ISO 534	µm	5%	156	325	458
BULK	ISO 534	cm²/g	-	1,30	1,30	1,31
ROUGHNESS (BENDTSEN)	ISO 8791-2	ml/min	150	500	-	-
			200	-	1000	1100
MOISTURE CONTENT	ISO 287	%	1,0	6,5	6,5	6,5

THE FOLLOWING DATA REFERS TO SHIRO ECHO RAW BLACK

	METHOD		+/-	120 g/m²	200 g/m²	250 g/m²	350 g/m²
BASIC WEIGHT	ISO 536	g/m²	5%	120	200	250	350
THICKNESS	ISO 534	µm	5%	160	260	330	463
BULK	ISO 534	cm²/g	-	1,33	1,30	1,32	1,32
ROUGHNESS (BENDTSEN)	ISO 8791-2	ml/min	150	500	700	-	-
			200	-	-	1000	1100
MOISTURE CONTENT	ISO 287	%	1,0	6,5	6,5	6,5	6,5

NB. At times slight differences may occur in paper shade and look as a result of the use of recycled materials.

Special makings are available upon request.

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RECYCLABLE | BIODEGRADABLE | 100% SELECTED RECYCLED FIBRES | FREE ACID | REACH COMPLIANT | EN71 SAFETY TOYS | 25/40 EN PPWR COMPLIANT | PCF PROCESS CHLORINE FREE PULP | 21 PAP | 22 PAP

REFERS TO SHIRO ECHO RAW BLACK

FREE CARBON BLACK

SCB
PAPER COMPENSATED THROUGH "THE BRAZIL NUT FORESTS OF MADRE DE DIOS" REDD+ PROJECT

RENEWABLE ENERGY
100% RENEWABLE ENERGY GUARANTEES OF ORIGIN

FSC www.fsc.org RECYCLED Paper made from recycled material FSC® C001810

PRINTING AND FINISHING RECOMMENDATIONS

Due to its content and the nature of 100% recycled fibres, Shiro Echo can be characterized by the presence of dots and by slight variations in shade.

INKS
To ensure good drying, Shiro Echo should be printed with fresh or semi-fresh inks; for heavier graphic elements, we recommend to use oxidizing inks.

BLANKETS
For a good graphic impression, use compressible blankets.

DRYING TIME
Drying times may vary according to the type of processing. For heavier graphic elements and higher densities, sufficient powder should be applied.

PRINTABILITY AND RUNNABILITY
Every method of printing, embossing, punching, die cutting, creasing, laminating, UV varnishing and silk screen is possible.

DIGITAL PRINTING
Suitable for digital printing. Not suitable for HP Indigo printing unless specifically stated.

NOTE
Due to its hygroscopic nature, paper can show curl issues if not conditioned properly.
To avoid any issue, we recommend to store the paper closed in its original wrap inside the printing area for at least 24-48 hours.
After this conditioning time, the wrapping can be open and the paper can be utilized.

For particular processes we recommend to carry out proofing trials, if required Favini's technical department remains available for any support.

> Please contact our technical department for further suggestions.

MILL ACCREDITATION | Rossano Veneto VI - Italy

CORPORATE QUALITY MANAGEMENT STANDARD | UNI EN ISO 9001

ENVIRONMENTAL MANAGEMENT STANDARD | UNI EN ISO 14001

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT STANDARD | UNI EN ISO 45001

ECO-MANAGEMENT AND AUDIT SCHEME CE 1221/2009 | EMAS

We care about the environment: www.favini.com/en/sustainability