



AvantFluteSC+™

Semi-chemical fluting

AvantFlute SC+ is our semi-chemical (SC) fluting made from Nordic fresh fibre. The fresh fibre gives the SC fluting an outstanding strength and purity and makes it completely recyclable and renewable.

Issued: 09.2024
Cancels: 09.2023

Technical specification

Data table - Technical specifications, typical value

Property / Unit									Standard
Grammage, g/m ² , ±3%	110	120	127	140	150	160	175	190	ISO 536
Thickness, µm	165	175	185	205	215	230	250	265	ISO 534
Moisture, % (in delivered reel), peak-to-peak moisture ±2	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	ISO 287
CMT30, N	230	280	320	380	440	490	550	**	ISO 7263
CMT30 First peak, N	90	115	130	160	190	220	260	**	L&W*
CCT30, kN/m	2.7	3.1	3.4	3.8	4.3	4.6	5.1	5.7	ISO 16945
Air resistance,	220	220	220	220	220	220	220	220	ISO 5636-5
Tensile stiffness, MD, kN/m	1080	1180	1230	1330	1420	1490	1610	1700	ISO 1924-3
Tensile stiffness, CD, kN/m	440	490	510	560	600	640	690	750	ISO 1924-3

*L&W method based on ISO 7263. Also known as CMT Plateau. CMT first peak measures the maximum force at which the fluting is still able to recover to its original performance.

** CMT30 test is not valid for grammage ≥ 190 g/m².

Reel diameters: 125, 145 cm. Reel core size 10 cm.

Producing mill: Heinola, Finland

Certificates

Quality management ISO 9001
Environmental management ISO 14001
Product safety ISO 22000
Occupational health and safety ISO 45001
Energy management ISO 50001
FSC®-C127282 Chain of Custody
INS-PEFC-COC-208949 Chain of Custody

Stora Enso is committed to continuous quality improvement. Our products' specifications are reviewed, and if necessary, updated with the objective to reflect quality improvements. Please check the latest version from Stora Enso web site.

Key characteristics and main enduses

AvantFlute SC+ is semi-chemical (SC) fluting with outstanding and reliable strength properties for corrugated boxes. It has high purity and it is made from pure fresh fibres. Whether in cold and wet environments, long and demanding transport or under rough handling conditions, AvantFlute SC+ corrugated fluting stands up to the pressure and keeps on performing. You can expect uniform quality, high strength and hassle-free runnability – in short, greater productivity.

Ideal storage conditions: 23°C/50% RH

Paper should be stored in a dry, covered and ventilated warehouse. It is recommended that prior to use in production, paper should be stored some time in conditions similar to the conditions in the production hall. The required storage period depends mainly on the volume of paper reel, as well as the temperature difference between the warehouse and production hall.

