

873000 - 873140 Canvas, Flax fiber fabric

Fabric made from the bast fibers of the annual, 0.6-1 m tall, blue-flowering flax plant (*Linum usitatissimum*, Linaceae).

The plants are uprooted together with their roots shortly before the seeds ripen, dried in the field, ridged (removal of leaves, side branches, and fruits), roasted (dissolution of calcium pectate-containing intercellular substances by bacteria or fungi), and then freed from woody waste and short-fiber flax shives by breaking, swinging, and combing.

The resulting technical fibers, which are ready for spinning, are gray to light blond, very strong and supple, and 20-140 cm long, with an average length of 50 to 60 cm. The bast bundles are 0.1-0.6 mm wide, and the individual cells of the bast fibers are on average 20-50 mm long and 15-30 μ thick. They consist of almost pure cellulose and have very thick walls. The cavity is very small. When the finished canvases are bleached, the bast bundles are largely broken down into individual fibers.

Canvas is a high-quality textile product. Pure linen consists solely of flax fibers, while half-linen consists of cotton warp and linen weft threads, or vice versa.

The Egyptians have been cultivating flax since 1400 BC, and mummy wrappings are made of linen.

Technical Properties

Article number	Name	Fiber	Width cm	No. of threads/cm ² (chain x weft)	Weight g/m ²	Finish/ Appretur
873000	Linen Canvas medium L510, medium weight, raw, without priming	linen	212-224	10 x 10	335	no
873010	Linen Canvas heavy L511, heavy quality, raw without priming	linen	212-215	14 x 14	410	no
873020	Linen Canvas medium L515, medium weight, raw, without priming	linen	305	16 x 16	330	no
873025	Linen Canvas L512 – very wide, heavy quality, raw, very dense	linen	515	8 x 10	600	yes
873030	Linen Canvas light L516, light quality	linen	224	12 x 12	160	no
873040	Linen Canvas heavy L526, very heavy quality, washed, almost white	linen	140	44 x 56	950	no
873050	Canvas light L517, very fine quality, without knots	linen	210	30 x 30	180	no
873060	Linen light re-lining Canvas L518, loosely woven, without knots	linen	210	16 x 16	135	no
873102	Nettle L520, twill weave	cotton	ca. 205	20 x 22	320	yes
873110	Cotton Duck L521, heavy	cotton	210	15 x 12	600	yes
873140	Jute L530, heavy, thick woven quality	jute	210	6 x 6	425	yes