

HOW CREATOR IS MADE

Creator is a range of **double-sided coated paper**. Briefly, the manufacture of coated paper involves the production of a large web of paper from cellulose and the applying a set of coatings to both sides to raise its quality and prepare for the application of color in the printing press.

Cellulose



In order to obtain cellulose, it is necessary to strip the bark from trees, keeping them clean and dry until they are broken into chips measuring about 6 cm. The cellulose fibres are separated from the chips by eliminating lignin, a complex chemical compound that keeps the fibres strongly bound.

The cellulose fibres, which are dispersed in water, are then subjected to a chemical whitening process.

In order to be able to form a sheet of paper, the cellulose fibres must undergo a vigorous mechanical refining treatment that grants them the appropriate properties in accordance with their ultimate use.

Paper sheet



Once the cellulose pulp has been prepared and dissolved in water, it is conveyed through piping to the headbox. The headbox stands at the wet end of the paper machine. Its purpose is to deposit a regular flow of pulp on a horizontal cloth-mesh table that allows the

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removal of water to form the sheet of paper.

From the point where the cellulose is deposited on the forming table, the whole design of the paper machine is conceived to eliminate excess water, dry the sheet and form a large roll of base paper at the end of the machine with suitable physical properties for coating.

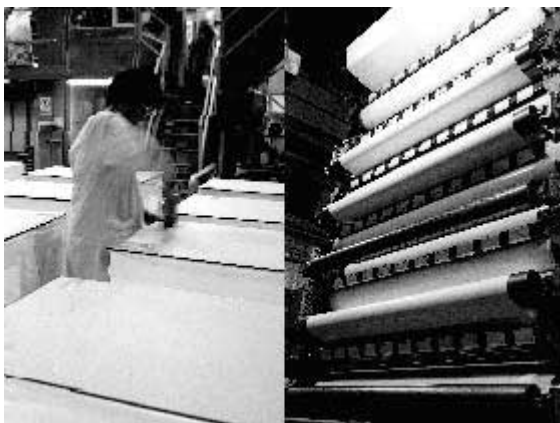
Coating



The base paper is transferred to the coating machine, where various coats of a mixture composed mainly of calcium carbonate, pigments and latex are applied to both sides and allowed to dry.

When the paper leaves the coating machine it has a matt finish, but other types of finish also exist, such as gloss and semi-matt, which are achieved by means of a calendering process.

Finishes



In the calender, the paper passes between a vertical set of hard and soft rolls that buff and shine its surface on both sides, enhancing its gloss, smoothness and uniformity. The large rolls of coated paper are transformed into smaller rolls that are cut into sheets, sorted, packed and finally shipped from the mill to the printing plants.