THE PAPERMAKING PROCESS

Wood chips are placed into a digester that pressure cooks them, with a mixture of water and chemicals, in order to create paper pulp.

Recycled fibre and or bagasse (waste sugar cane fibre) can also be added at this stage.

Eucalyptus and Pine trees are specifically grown and harvested for the purpose of making paper.

Trees are cut into logs. The bark is removed by a debarker before they pass through a chipper and are cut into small pieces.

The paper pulp is washed, refined, cleaned and bleached, before it is turned into slush in the beater. Colour dyes and additives are added to the slush.

Through the headbox the slush is pumped onto a moving wire onto which the pulp settles.

Paper is finished and packaged for distribution.

The base paper is squeezed through large rollers to remove the excess water and make it smooth. Heated cylinders dry the base paper. The calender polishes the surface to increase the gloss of the paper.

The finished paper is wound into large reels. A slitter cuts the paper into smaller reels and the paper is ready to be used.

Sappi makes paper for printing, security and tissue applications.

Debarker

Chipper

Digester

Paper Machine

Winder

Calender

Dryer

Slitter

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