



## Data Sheets

### HEMPTEC - The Hemp Plant

Hemp is an ancient plant that has been cultivated for hundreds of years to produce textiles, sails, robes, healing medicines, food and even paper.

Traditionally only the outer core fibres were used in production and the wood containing inner core, known as shiv, was simply discarded. Yet thanks to a system developed by Neusiedler, the inner shiv can now be used to procure a unique, high quality office paper.

In the 1930's, hemp was banned due to its association with illegal drugs. But today hemp is enjoying an economic revival thanks to the following factors:  
The development of a drug-free strain of hemp; targeted sponsorship by the EC; its diversified application areas, and in particular its ecological cultivation possibilities.

### The paper made from Hemp Shiv

#### Bleaching and raw materials

Hemptec is the world's first totally chlorine-free bleached hemp paper. Hemp is an environmentally sound source of pulp fibre; chlorine-free bleaching ensures this standard is continued through the production process.

The raw material mixture of Hemptec consists of at least 30% pulp made from hemp shiv and of 70% softwood (strictly sawmill waste).

#### The production plant

Hemp pulp is produced at the pulp mill, with its biological waste water treatment plant is considered to be one of the cleanest pulp mills in Europe.

#### Advantages and Characteristics

- An elegant and prestigious paper with a natural shade for modern office communication
- High quality copying
- High quality laser printing
- Suitable for monochrome inkjet applications up to 600 dpi
- Ideal for double-sided copies and prints
- Long-lasting archival property due to high ageing stability (200 years)
- Suitable for multicolour offset printing

