

UPMBIOFORE  
BEYOND FOSSILS 

# UPM CONIFER

UPMPULP



# UPM CONIFER: STRENGTH AND VERSATILITY

UPM's bleached softwood kraft pulp (NBSK) is made from slow-growing pine and spruce tempered by the demanding northern environment.

Sourced from sustainably managed boreal forests, UPM Conifer is produced in our three pulp mills in Finland. Our technical experts and customer service team are ready to advise you on the characteristics and features of pulp and furnishes.


**100% TRACEABLE  
TO LEGAL SOURCES**

## SUSTAINABLY SOURCED AND PRODUCED

All the wood for our Finnish pulp mills comes from sustainably managed boreal forests. More than half of the wood comes from private forest owners, with the remainder sourced mostly from UPM's own forests. A small proportion of the wood comes from forests in Sweden and the Baltics.

UPM adheres to internationally accepted principles of sustainable forestry. All wood used by UPM is 100% traceable to legal sources and is certified with both the FSC™ and PEFC forest standards. We use certified chain of custody and controlled wood systems verified by independent external auditors to ensure that our wood is 100% responsibly sourced.





**ACHIEVE EXCELLENT  
STRENGTH WITH  
OUR NORTHERN  
SOFTWOOD PULPS**

## CHARACTERISTICS OF UPM CONIFER

Bright and clean UPM Conifer is our main bleached softwood kraft pulp (NBSK) grade. With fibres that are long and slender, UPM Conifer works well in various end uses that require strength. This softwood pulp has notably fast development of tensile strength during refining.

UPM Conifer is made from both juvenile and mature wood. Roundwood and saw-mill chips are utilised in its production. Fibre length can be controlled by adjusting saw-mill chip content.



## CHARACTERISTICS OF UPM CONIFER THIN

UPM Conifer Thin is our special bleached softwood kraft pulp grade. It has a high fibre count that provides a smooth surface and good formation characteristics. UPM Conifer Thin has fast development of tensile strength and internal bond strength. It is easily refined, as it responds well to low refining intensity.

UPM Conifer Thin is particularly well suited for customers with limited refining capacity and/or co-refining applications together with hardwood pulp.

This pulp is produced from the first thinning wood of pine and spruce that has flexible thin-walled fibres. No saw-mill chips are utilised in its production.

Suitable for various end products

## UPM CONIFER

### TISSUE

- Toilet, towel, facial

### BOARD

- Folding boxboard

### SPECIALTY PAPERS

- Labels, filter

### PRINTING & WRITING

- Copy, magazine

## UPM CONIFER THIN

### TISSUE

- Toilet, towel, facial

### SPECIALTY PAPERS

- Dense papers with moderate requirement for tear strength
- Certain release papers
- Baking papers
- Silicone-free requirements
- Special Interleaving Papers (in contact with glass)



## UPM pulp mills in Finland



### UPM Kaukas in Lappeenranta

700,000 t/a of softwood pulp on two production lines



### UPM Kymi in Kouvola

870,000 t/a of softwood and birch pulp on two production lines



### UPM Pietarsaari

800,000 t/a of softwood and birch pulp on two production lines

## HIGHLY EFFICIENT PULP MILLS

UPM Conifer is produced in our three modern pulp mills in Finland: UPM Kaukas in Lappeenranta, UPM Kymi in Kouvola and UPM Pietarsaari. Their combined annual production capacity is 2.37 million tonnes of softwood and birch pulp. Our pulp production is based on the EU's 'Best Available Techniques' ('BAT') approach, and the philosophy to create more with less raw materials, water, energy and environmental impact.

The supply security and smooth functioning of UPM's pulp mills is ensured by making regular, significant investments into the continuous improvement of

operations. The mills are shut down, in turn, for maintenance approximately every 18 months to two years. During shutdowns, besides regular maintenance and repairs, improvements are made to the mills' environmental and production efficiency.

UPM is committed to developing its operations towards a low carbon energy economy, in which UPM's pulp mills play a key role. Highly energy efficient pulp mills produce renewable electricity, mostly from renewable biomass, in excess of their own needs.



## TECHNICAL EXPERTISE – AT YOUR SERVICE

UPM's local sales and technical customer service teams are happy to advise you on the characteristics and features of UPM Conifer pulp and different furnishes. Optimise your refining for cost and energy savings. Make the most of UPM Pulp's products.

### Basic technical customer service

- Pulp quality reporting & benchmarking
- Technical data & claim handling

### Advanced services

- Customer-specific projects and studies
- Simulations & fibre furnish optimisation
- Laboratory refining & trial support
- Advanced troubleshooting (analytics)



UPM's global R&D network & modern research laboratories



UPM's technical experts based at mills and local markets



Cooperation with chemical & machinery suppliers and partners



**UPM**

**[www.upmpulp.com](http://www.upmpulp.com)**