

WEIDMANN

CELOVA

THE LEADING PRODUCER OF TAILORED MICROFIBRILLATED CELLULOSE



WEIDMANN GROUP

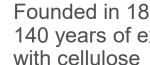
Leading solution provider

in electrical, medical and

fiber technology









Founded in 1877; over 140 years of experience Privately held

Turnover 2017: 367 MCHF

Employees 2017: 3'165

WEIDMANN ELECTRICAL TECHNOLOGY



Large-scale energy distribution

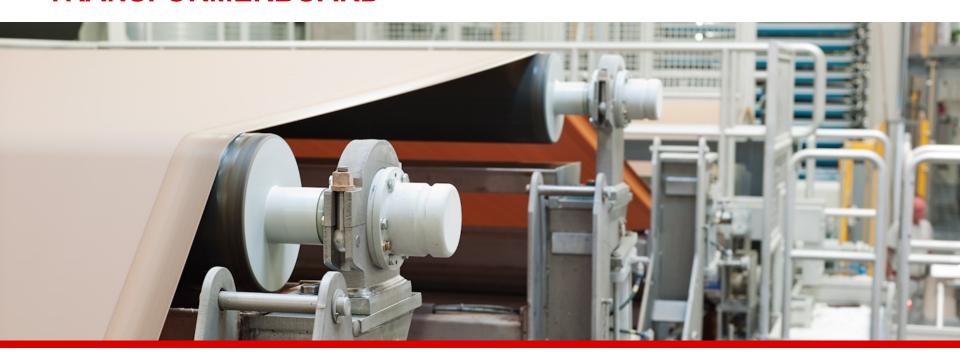
Powering your entire city

Backbone of energy network

Operation without interruption

Impact reliability and profitability

WEIDMANN ELECTRICAL TECHNOLOGY **TRANSFORMERBOARD**





Base insulating material



Cellulose based



Latest manufacturing technology



Resists high stresses



Enhanced reliability, efficiency and safety



Assured reliability of transformer

WEIDMANN ELECTRICAL TECHNOLOGY INSULATION COMPONENTS





Oil immersed, special fluids, dry or gas filled



Tailor-made solutions



Cellulose and synthetic



Largest product portfolio

WEIDMANN MEDICAL TECHNOLOGY CLEAN ROOM MANUFACTURING

- Clean room class 7 / 8
- Injection molding
- Assembly and automation
- 100 % inspections
- Clean room storage

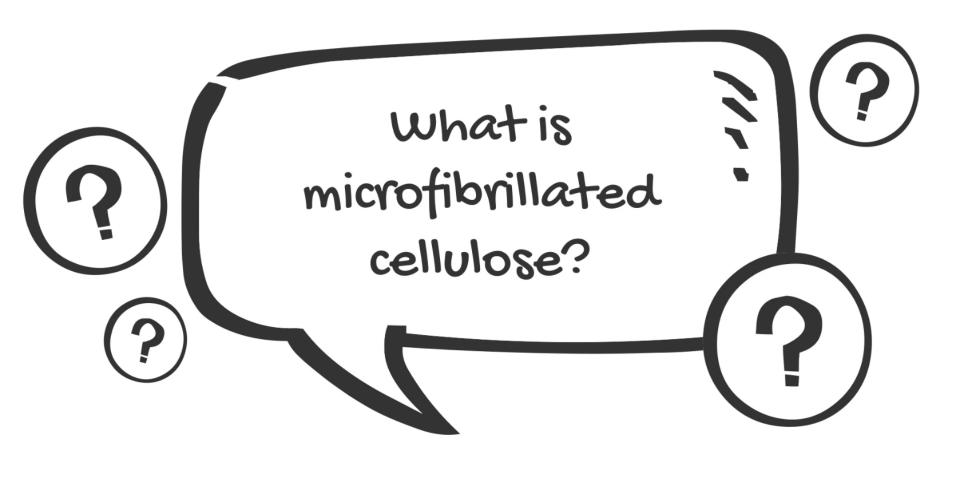


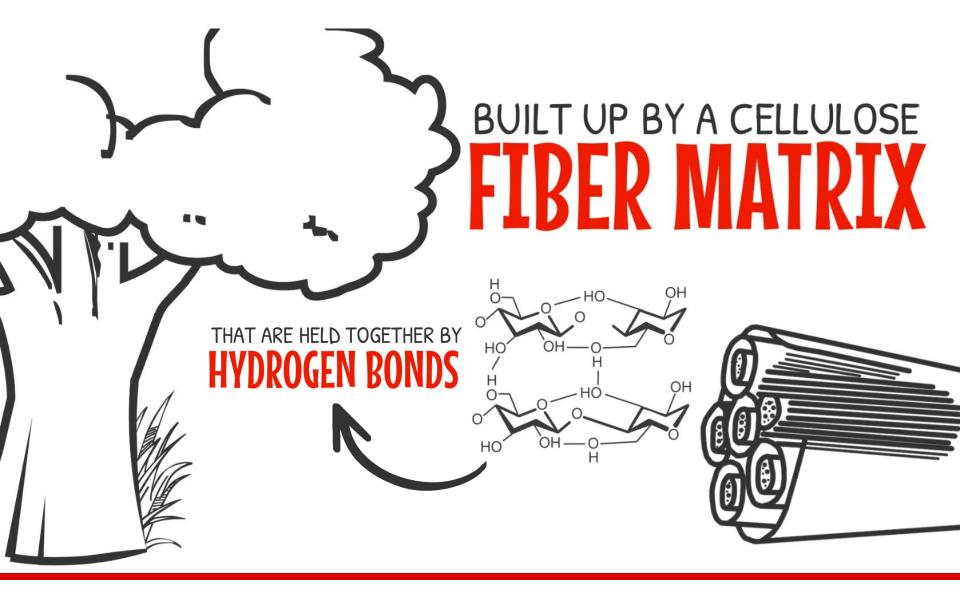


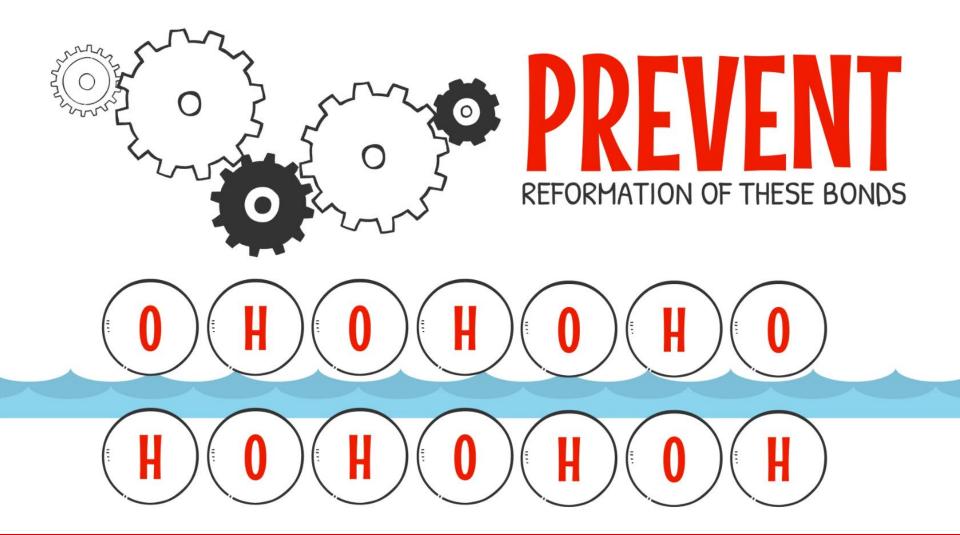


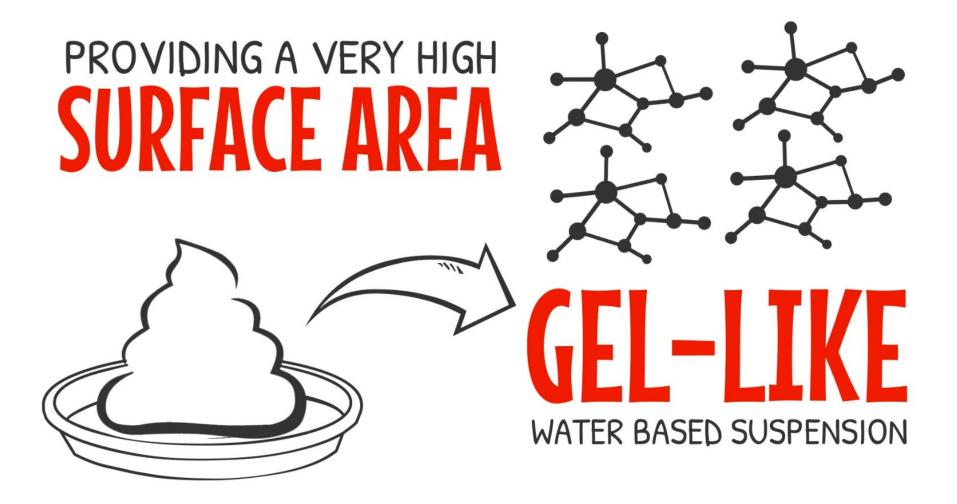
WEIDMANN FIBER TECHNOLOGY

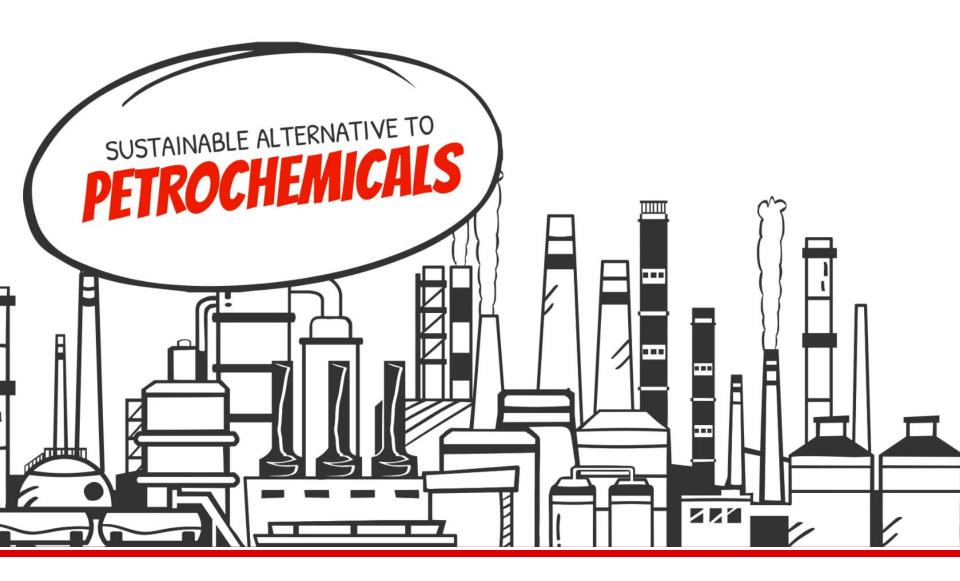












APPLICATIONS INCLUDE:

Paper & Board Biotechnology Art Conservation Food Cosmetics 1 Insulation Coatings

INTRODUCTION



Bring additional functionalities

Enhance product properties

Increase processability

Natural substitute for petrochemicals

WHAT TO TAKE HOME?





Natural & Sustainable



Gel-like Suspension



New Properties



Purely Mechanical Process



Micro-network Structure



Performance



Tailor Made



High Surface Area



Process Optimization

CHARACTERIZATION OF CELOVA

Primary Quality Criteria

Secondary Quality Criteria

Specific Surface Area

Viscosity

Morphology:

Water Retention Value

Particle Size Distribution

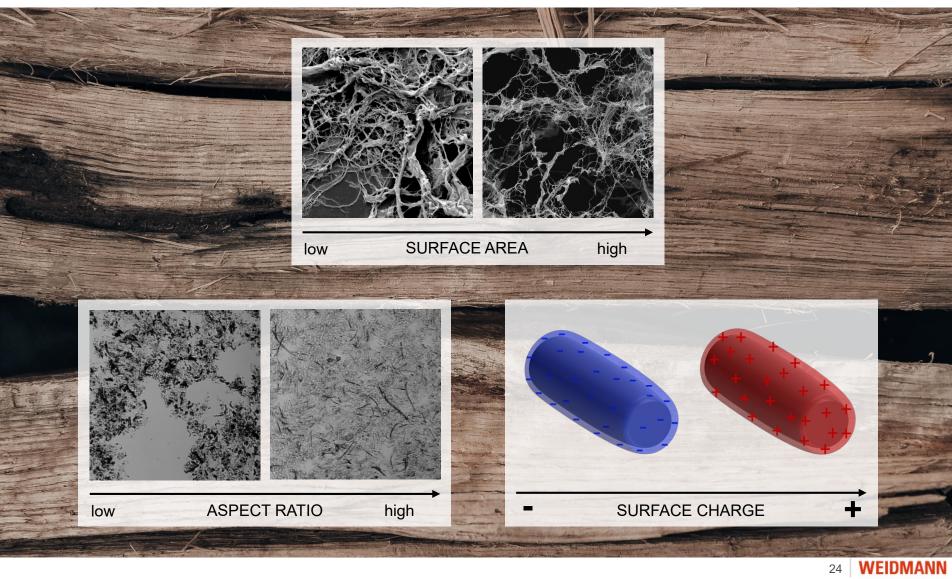
Transparency

Aspect Ratio

Surface Charge



TYPES OF MICROFIBRILLATED CELLULOSE





WEIDMANNFIBERTECHNOLOGY.COM

PASSION FOR FIBERS