UF/MUF Resins
Quality Control

UF/MUF Resins Quality Control in 6 sec

Perten
INSTRUMENTS

Perten Instruments Solutions for Resin Quality Control

UF/MUF resins are key raw materials in many wood based applications. Both users and producers monitor the resin quality in order to avoid 'out-of-specification' resin being delivered to the mills and taken into production. Perten Instruments offers analytical instruments that can measure key resin parameters in a few seconds. This helps both the suppliers and users of resins to minimize the risk of 'out-of-specification' resins being delivered and taken into the production process which is costly and time consuming.

• Our NIR instruments allow 6 sec analysis of Molar ratio, Dry content, Melamine content and more
• Our instruments are designed to help you save time and reduce waste
• Our instruments are designed to help you improve quality and consistency
• Our instruments are designed to help you improve productivity and capacity

Resin for Wood Based Panels etc.
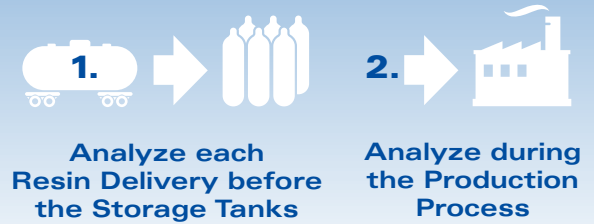
UF/MUF Resins

The uses of UF/MUF resins are many and varied. They are key components in many wood products like particleboard, MDF, impregnated papers, flooring, laminated beams, shuttering boards etc. Consistent resin quality is important for high productivity and yield in the wood products manufacturing processes.

6 sec Analysis

Resin Producer

1. 2.
3.

Analysing Batch & Tank Samples

Analysing Tank Samples before Delivery

Wood Products Producer

1.
2.

Analyze each Resin Delivery before the Storage Tanks

Analyze during the Production Process

Production & delivery of resins

1. Fast analysis save time and money for resin producers. The use of time consuming and expensive wet chemical methods can be reduced. Shipments can be approved and released faster. Out specification resins are identified faster and corrective measures can be made sooner.

2. Analysing batch and tank samples in just a few seconds help the resin producers to optimize the process and secure consistent quality in the resins.

3. Analyze resins before it is unloaded from the storage tanks. This minimizes the risk of out of specification resins before shipment to the wood products producers.

Optimize your resin handling

Monitoring and controlling the resin quality is crucial to maintaining efficient production and profitability for the wood product producers. Unwanted variations in resin quality can lead to process disturbances that can be costly for both the wood products producer and the resin supplier. Fast resin analysis using NIR instruments from Perten, help reduce the risk of 'out-of-specification' products being delivered and used in the wood product manufacturing process.

1. Analysing deliveries before unloading trucks help the wood products producers to avoid unloading out of specification deliveries into the storage tanks.

2. Analysing resin in the storage tanks allow the wood products producer to verify resin quality before pumping the resin into the manufacturing process and to adjust resin-catalyst recepie according to resin properties.

The **RVA 4500** viscosity meter provides rheology data on resins, wax emulsions and other additives.

The **DA 7250** NIR analyzer determines dry content, molar ratio and other key resin parameters in as little as 6 seconds.

Global expertise, local support

We supply solutions to our customers – support after the sale is as important as the instrument itself. Our teams of technicians and applications specialists, and the services they provide, ensure our customers continue to get the most benefit during the entire life of the instrument. We provide service, training classes, calibration development, method development and other customized programs and services.

We are active in nearly every part of the world. We serve you through our direct offices and our extensive network of highly qualified, experienced and trained distributors. Our distributors are an important part of Perten Instruments team and many have been with us for more than 25 years.

To find out more about Perten Instruments, our products or local support, please visit our website at www.perten.com

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