

A close-up photograph of a female scientist wearing a white lab coat and clear safety goggles. She is looking down and to the side, focused on a task. The background is blurred, showing laboratory equipment.

Knowledge in action

Nordmann UK Technical Centre

Coatings & Inks Technical Support





Our colours



BYK





Nordmann UK Technical Centre



Scan to watch our
opening day video

Introducing our Technical Centre, Macclesfield, UK

Nordmann UK is proud to have a Technical Centre in Macclesfield. This cutting-edge facility is designed to support our research and development efforts across various sectors, providing advanced application support and showcasing the latest advancements in analytical and testing technology.

Equipped with top-of-the-range instruments from our partner BYK-Gardner, the Technical Centre exemplifies our commitment to innovation and excellence in the chemical industry.

Explore the future of chemical solutions with Nordmann UK's premier Technical Centre.



“Our Technical Centre represents a significant investment in our commitment to innovation and customer service.”

“We are grateful to BYK-Gardner for their partnership and assistance in providing the instruments that drive our application support initiatives forward.”

Ross Straughan, Managing Director at Nordmann UK





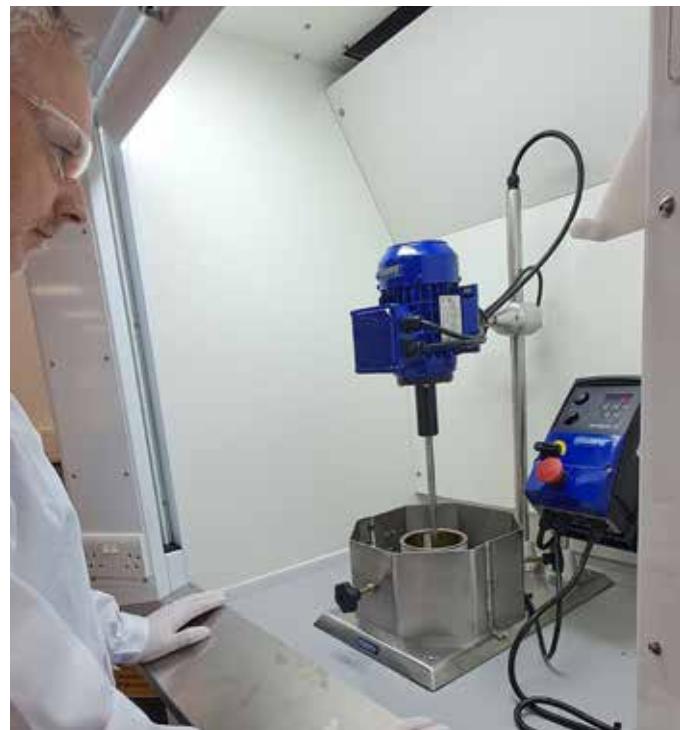
UK High Speed Disperser

High Speed Disperser (HSD) is typically used within the coating industry to disperse pigment/powders into liquid carrier systems.

Laboratory scale mixer will duplicate the mixing process carried out on the factory floor.

The high speed of the mixing head will ensure full dispersion of pigments.

The mixer can be used in combination with grinding beads to disperse pigment types that require a higher energy dispersion process.



byko-visc RT

Tue Oct 8, 2024

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Viscosity Measurement



Viscosity measurements using a Byk-Gardner Rotational viscometer.

Measure a wide range of viscosities 26 - 40000000 cPs.

Test Modes: Time to Torque, Time to stop.



Flow cup measurements for lower viscosity/ Newtonian liquid samples.

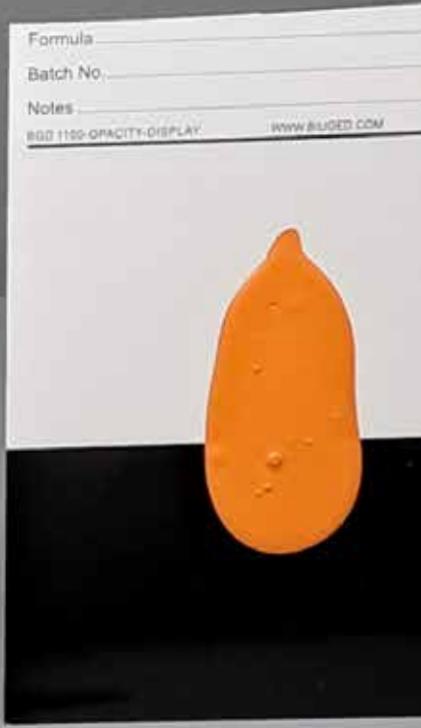
Dispersion/Density Cup



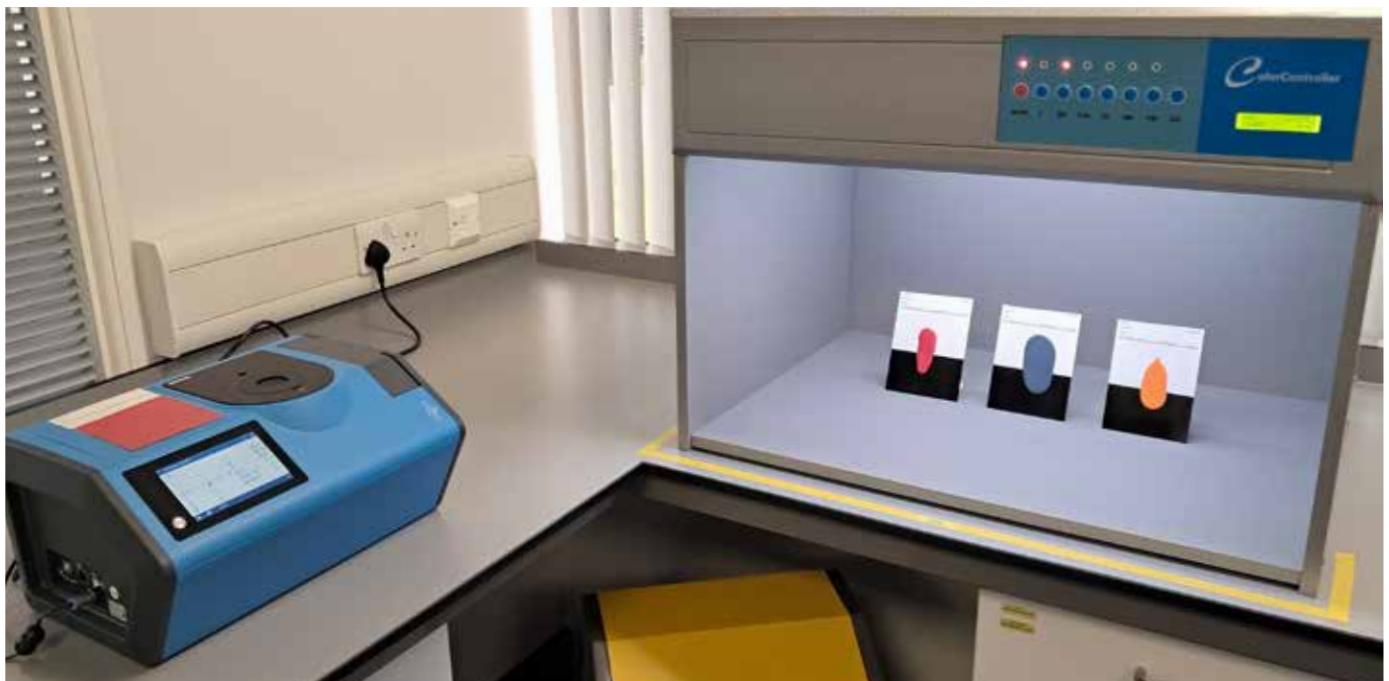
Grind Gauge to determine level of dispersion of pigments/fillers



Pico Cup to measure the density of coating blend



Coating Application Bars

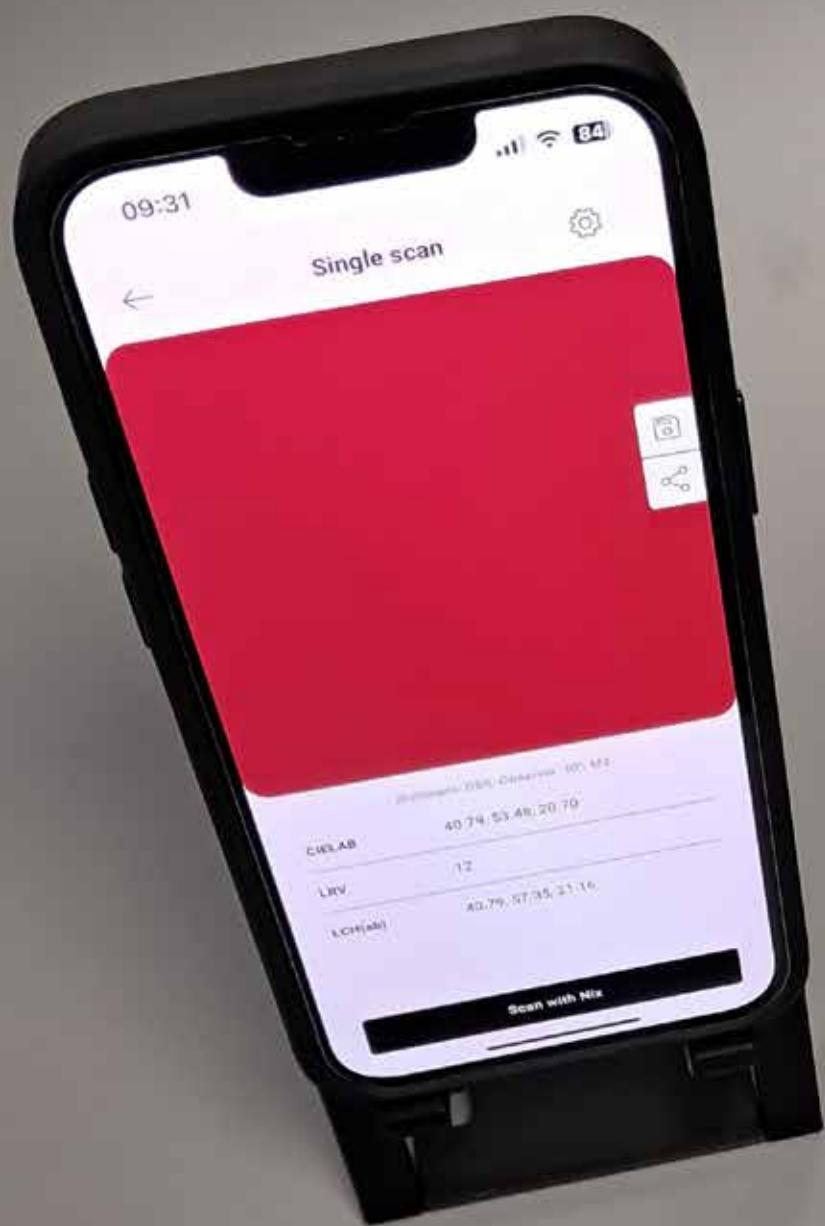


A range of standard test substrates for coating application performance testing.



Application equipment that allows liquid coating to be applied from 25 – 1250 micron depending on the specific application.







Variable Cure/Drying Conditions



Testing of coating drying curing at a range of temperatures.



Elevated temperature 30-250C.

Low temperatures -15-5C.

Colour Evaluation/Measurement



Light cabinet to evaluate the appearance of coatings under different light sources (D65,UV,etc).



Colour Spectrophotometer.

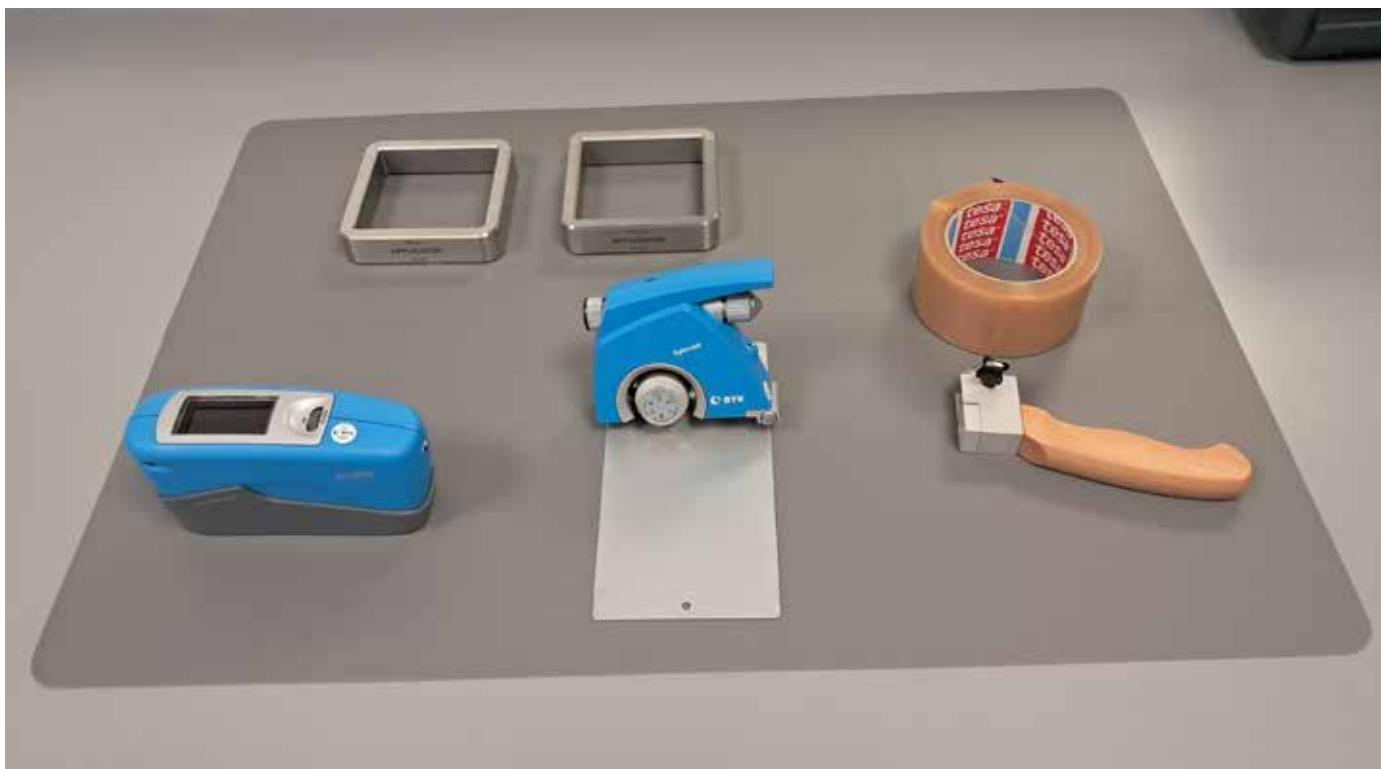
Evaluate colours via Lab, LCH,XYZ, CMYK, HEX, LRV, RGB colour values.

Colour difference value dE.

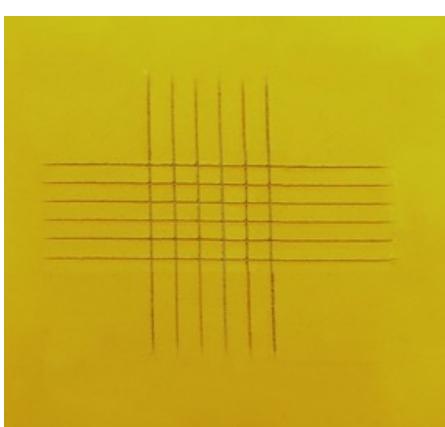




Cross Cut Tape Adhesion Test



Determine the adhesion of coating onto different rigid surfaces.



Standard test used across many industries to quantify adhesion performance of a coating or ink system.

Sclerometer Scratch/Hardness Tester



Sclerometer tests the hardness of a coating by moving a Tungsten Carbide Tip over the coating with a predetermined force.

Allows accurate measurement of surface hardness and scratch resistance using a range of compressive springs.

Dry Film Thickness measurement



Dry film thickness measure on Ferrous and Non- Ferrous substrates.

Measure film thickness from 0-1000 microns on all metal surfaces.

Measures both non-magnetic coatings on steel and non-conductive coatings on aluminium, brass, etc. Automatically recognizes the substrate and takes a measurement.

Nordmann Portfolio

Agrochemicals

Adhesives & Sealants

Ceramics

Cleaning

Coatings & Inks

Composites

Construction

Elastomers

Electronics

Fine Chemicals

Flame Retardants

Food & Feed

Foundry

Health Care

Industrial Chemicals

Monomers

Oil, Gas & Lubricants

Oleochemicals

Polyurethane

Optical

Paper

Personal Care

Plastics

Textiles & Leather

All the information and application knowledge presented here is based on practical experience and research. However, it is non-binding information. We therefore strongly recommend that you carry out your own tests before using our products. This applies in particular to our formulations, which only represent a starting point for individual developments and for which we can provide no guarantee.

The user alone is responsible for testing in the respective countries concerned and with regard to possible conflicting industrial property rights of third parties (e.g. patents). In this respect, we assume no liability for formulations or partial recipes. Our products are sold according to our General Conditions of Sale.



Advertising for dangerous substances

Dangerous substance as per Regulation (EC) No 1272/2008. This substance is classified and assigned in accordance with the requirements of the aforementioned ordinance. For further information on this substance, please refer to the safety data sheet.

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