

ACAT ADDS A SPLASH OF COLOUR

From the automotive to the packaging industry, the high-quality ColourStar® pigment pastes from ACAT are used in a wide range of applications. ACAT places particular emphasis on the highest quality standards and individual solutions for customers around the world.



More than just colour: ACAT ColourStar® dyes, pigments and pigment pastes are in demand worldwide and are used in many different industries thanks to their benefits. In the automotive industry, they are used for tinting paints and coatings. In the construction industry, they are used to colour concrete, mortar and plaster. They are also used worldwide in the packaging industry, for ex-

ample, for printing and coating plastic films and paper. The rubber and glass industries benefit from the versatility of ColourStar® pigment pastes, whether for colouring rubber goods or coating or decorating glass. “We also produce customised pigment pastes tailored to individual customer requirements. This allows us to adapt the colourant’s colour, properties and consistency precisely to the

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customer's needs," explains Andreas Lorenz (Sales & Technology ACAT chemtech).

Carefully selected raw materials

The raw materials used are vital to ACAT. High-quality materials, such as organic or inorganic pigments and dyes, are used for the pigment pastes. Other ingredients include additives such as dispersing agents, water and solvents, latex and rubber. "Together with our suppliers, we carefully select the raw materials and test them for purity and quality. This guarantees end products that meet the highest standards and offer optimum performance and colour depth," says Lorenz, speaking from practical experience.

Sophisticated manufacturing process

The production of pigment pastes requires precision. The raw materials are mixed according to fixed recipes, and the pigments and additives are precisely dosed. This ensures the desired colour properties. "When developing products, we often work very closely with our customers to create customised solutions. "Next, the mixture is ground to prevent pigment clumping. This creates a coarse dispersion and facilitates the next processing steps. The coarse pre-mixed paste is fed into special ball or bead mills. There, the pigments are ground further to evenly distribute in the paste. "State-of-the-art milling technology is the key to ensuring that the pigments reach the optimum size. This improves colour brilliance and stability," says Lorenz. After grinding, the paste is processed further. This includes adjusting the viscosity, regulating the pH value and adding additional substances to improve durability and processing. Each batch

is then subjected to strict quality control. During this process, colour shade, viscosity, particle size and stability are carefully tested, ensuring that the pigment pastes meet ACAT's high quality standards and are suitable for their respective applications.

High-quality packaging

The finished pigment pastes are packaged in suitable containers, from small units for the laboratory or production trials to large containers for industrial customers. When it comes to packaging, ACAT employees take great care to ensure that no contamination occurs, and that the quality of the products is maintained during transportation and storage. "We consistently strive to ensure that our customers always get the best product, from raw materials to packaging," concludes Lorenz. ●



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