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CRYLCOAT® One Shot Systems for Medium Gloss Finishes

Are you looking for a new solution for medium gloss finishes? Is dry-blending two powders to achieve a medium gloss leaving you with mixed feelings? Then Cytec has the product line for you — the new CRYLCOAT® One Shot system for high quality medium gloss finishes.

The Products – CRYLCOAT® E 04238 and E 04235

This new patented technology from Cytec is based on the use of two polyester resins of different reactivity levels to achieve the desired matting effect in one extrusion. The Cytec R&D team has developed a pair of resins that, when co-extruded, gives coatings with a controllable 60° gloss that can be adjusted in the range of 20 to 40 units. The low acid resin, [CRYLCOAT® E04238](#) has been developed with smoothness in mind. The high acid partner, [CRYLCOAT® E04235](#) has been engineered with an eye on reliable control and uniformity of the matting effect.



Benefits

This system has been specifically designed to address many of the pitfalls of current technologies. Key benefits of this CRYLCOAT® One Shot Medium Gloss system include:

Savings through ease-of-processing and improved reproducibility –

The additional step of dry blending two resins is an added burden on the manufacturing process and can lead to uneven results. With the CRYLCOAT® One Shot technology you can overcome this hurdle easily, as it allows you to produce your powder coating in one single process. This leads at the same time to a better reproducibility and makes your manufacturing process much easier. Plus you can save up to 15% in terms of processing costs and improved yield.

Superior mechanical properties in all formulations –

CRYLCOAT® One Shot technology addresses an important unmet need in matte coating with outstanding mechanicals. Paints based on this new CRYLCOAT® system will achieve full mechanical properties in direct and reverse exposure.

Outstanding and adjustable matting effects – Through the enhanced production process CRYLCOAT® One Shot formulations guarantee you a perfect medium gloss finish, free of sparkling effect. You will be able to adjust the gloss level of your paint through formulation in the 20 to 40 gloss unit range (measured at 60°).

Good outdoor weatherability in standard durable formulas – In terms of weathering resistance, CRYLCOAT® One Shot Matte formulations compare favorably to formulations with matte dry blend architectural-approved products. It has so far passed the test of 360 hours under QUV-B (performed on a RAL 8014 panel).

Advantageous performance consistency including recycling properties –

Paints based on CRYLCOAT® One Shot technology will not lose their matting effect upon recycling.

Please click on the links below to **download more information** about CRYLCOAT® E04238 and CRYLCOAT® E04235:

[Technical Datasheet CRYLCOAT® E04238](#)
[Technical Datasheet CRYLCOAT® E04235](#)

[Product Performance Overview](#)
[Properties Overview](#)
[Standard Resins Package](#)

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New Business Director appointed for EMEA region

Egbert Boerrigter has recently been appointed Business Director for the EMEA region. He has 15 years of experience in the Specialty Chemicals industry of which 7 in Coating Resins at Cytec.



"We see continued growth opportunities in the Powders market, with new applications on metal substrates as well as wood-like products," Egbert said. "Technological innovation is key for Cytec in any of its businesses and we therefore continuously invest in new product developments. The current economic climate is tough, not only for Powder coatings but for all coating technologies. Even though this may continue to be the case in 2009, we are convinced that in the medium term the worth that Powders bring to the value chain will drive further expansion of the share of Powders in the overall coatings market", he added.

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Cytec to Launch New Products at China Coat 2008

Cytec will participate at China Coat 2008, to be held at Guangzhou International Convention and Exhibition Centre, China from 26 - 28 November 2008. Our booth will be located at no. 9H17-24 Hall 9.2.

During the show, Cytec will present 2 new Powder products to the Chinese market. The latest CRYLCOAT NEW GENERATION™ resins, the Primavera range highlights its first hybrid, [CRYLCOAT™ E04048](#) resin which provides excellent flow, aesthetic appearance, good mechanical properties and over-baking performance. This product is a cost-effective solution for indoor application.

New CRYLCOAT™ 38051 resin is a VOC free alternative for high quality MDF surface finish that promises superior chemical, scratch, humidity and abrasion resistance. It enables formulation for full color range used in the furniture market and offers limitless possibilities in terms of design freedom.

[Download Technical Datasheet CRYLCOAT™ E04048](#)

[Download Technical Datasheet CRYLCOAT™ 38051](#)



Cytec's Commitment to Safety, Health and the Environment

Operating safely to protect our employees from workplace injuries and illnesses, to safeguard the communities adjacent to our facilities, and to preserve the natural environment for all of us and future generations is a fundamental priority at the core of everything that we do at Cytec. We have been – and continue to be – at the forefront of our industry as a leader in setting the pace in procedures, programs, and most importantly, performance relating to safety, health, and the environment.

Read [Cytec's 2007 Sustainability Report](#) to learn more.

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