

Kollicoat® IR Coating Systems and ColorEye® XTH:
Simple, efficient color creation and matching

By combining the latest tablet color determination device with Kollicoat® IR Coating Systems, BASF and X-Rite have developed a simple, on-site approach for color coating tablets. With ColorEye® XTH, X-Rite offers a portable and highly accurate tool for tablet color determination. The tablet color is then easily translated into BASF's Kollicoat® IR Coating Systems, perfectly meeting the desired color shade. This unique solution is ideally suited to meet the industry's latest demands for immediate availability of results without any outsourcing activities or third-party involvement.

Color matching made fast and easy ...
Four easy-to-apply steps to create your customized color shade ...

... from seven base colors to a broad variety of different shades.



Your benefits from Kollicoat® IR Coating Systems and ColorEye® XTH.

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Your benefits from Kollicoat® IR Coating Systems and ColorEye® XTH

- A unique, systematic and simple approach to color matching
- Easy on-site tablet color determination
- Cost-effective and high-quality color film coatings

Contact us to find out how Kathrin Meyer-Böhm, Golo Schiffmann and their colleagues can help you to create individual tablet coloring that adds value for you and your customers.

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 **BASF**
The Chemical Company

Create your own colors.
With Kollicoat® IR Coating Systems and ColorEye® XTH



Dr. Kathrin Meyer-Böhm,
Golo Schiffmann,
two enablers in excipients & colors

 **x-rite**
PANTONE®

Pharma Ingredients & Services. Welcome to more opportunities.
Custom Synthesis | Excipients | Active Ingredients

 **BASF**
The Chemical Company

Create your own colors:
independently, simply, and cost-effectively



“Create your own colors – any color shade you can imagine – and benefit from instant and accurate on-site color matching” ...

... says Dr. Kathrin Meyer-Böhm, Manager Global Marketing New Products. With BASF’s Kollicoat® IR Coating Systems you can create different colors as easily as the chameleon while achieving perfect color matches with existing tablet colors. It has never been easier to change colors in production, saving time and improving processes.

Distinctive coloring, robust and rapidly soluble: BASF’s Kollicoat® IR Coating Systems enable individual, on-site production of tablet coatings in countless shades, using only seven base colors. The system’s high quality, flexibility and efficiency allow you to remain agile and responsive in meeting the changing demands of fast-moving markets.

Four steps to success:
color matching made fast and easy

Step 1



Choose a color-coated tablet you would like to color match.



Fix the tablet in the customized sample holder of X-Rite’s ColorEye® XTH spectrophotometer.

Step 2



Use the portable ColorEye® XTH to determine the color of your tablet according to L*a*b* values.

Original Tablet	
L*	61.57
a*	55.00
b*	50.68

For more details about ColorEye® XTH, please contact info@xrite.com.

Step 3



Recipe	
Kollicoat® IR Sunset Yellow	95.9 %
Kollicoat® IR Carmine	4.1 %

Enter L*a*b* values in PrismaPro® Pharma software – co-developed by Fast&Fluid and BASF. PrismaPro® Pharma software provides the Kollicoat® IR Coating Systems recipe to match the color of the original tablet introduced in step 1.

If you would like to know more about Kollicoat® IR Coating Systems and PrismaPro® Pharma software, please contact coating.systems@basf.com.

Step 4



Prepare a suspension of the recipe indicated by the Kollicoat® IR Coating System. Pour the suspension into the BASF film casting knife and cast a film to see how the film coating will look. Please contact us if you need a film casting knife.

Then simply go ahead and color coat the tablets using your own coating equipment.

Quick, intuitive and reliable:
color accuracy with reduced costs

Different colors of the spectrum can be created from just seven base colors. And any color can be perfectly determined using ColorEye® XTH.

Kollicoat® IR Coating Systems: Simplicity is the key

Experience innovation in film coating and learn how to reduce your production costs with BASF’s unique ready-to-use Kollicoat® IR Coating Systems:

- **Higher production efficiency** and reduced complexity
- **Easy color creation** based on just seven base colors
- **Immediate availability** of color samples
- **Fast re-dispersion** and robust product handling



ColorEye® XTH spectrophotometer

This portable device accurately measures the color of tablets and capsules with different contours, textures, sizes and shapes.

- **Portable and lightweight.** The unit weighs less than a kilogram, making it ideally suited for comfortable long-term use.
- **Flexible.** Dual apertures (10 mm and 5 mm diameters) enable a single unit to accommodate the broadest range of part sizes and shapes.
- **Easy-to-use.** Menu-driven operation significantly reduces initial training time.

ColorEye® XTH



Hand-held spectrophotometer