EBECRYL® LED 06

Amplify LED-UV performance with our innovative mercapto-modified polyester acrylate resin



Introducing EBECRYL® LED 06 mercapto-modified polyester acrylate resin designed to enhance surface curing in UV curable formulations. Perfect for LED-UV, UV-A or low energy curing options, this innovative co-resin also significantly improves surface cure with conventional high-energy lamps by mitigating oxygen inhibition in the free radical process.

Performance highlights

- Low Viscosity
- Low Color

UV/EB cured products utilizing EBECRYL® LED 06 demonstrate

- Excellent LED-UV cure response: Optimized for superior LED curing performance
- Enhanced surface curing and hardness
- Good flexibility and adhesion

Suggested applications

- Industrial Coatings: Ideal for paper upgrading, wood and metal topcoats
- Clearcoats for Vehicle Refinish applications
- Amines-Free LED-UV cured coatings: Perfect for applications where amines are unsuitable

Typical properties

Appearance	Clear liquid
Color	Gardner max. 1
Viscosity 25 °C, mPa.s	80 - 150

Transform your coating formulations with EBECRYL® LED 06 for unmatched surface curing and durability. Experience the next level in UV curable coatings today!

INNOVATIVE CHEMISTRY
FOR ALL NEX›T GENERATIONS

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Starting point formulation (SPF) for clear top coat in a white pigmented wood coating

Clear Topcoat
White Basecoat, sanding
White Basecoat
White Basecoat
Clear primer



Product	Parts
EBECRYL® 6000	10.0
EBECRYL® 5849	10.0
EBECRYL® 225	20.0
OTA 480	40.0
EBECRYL® LED 06	10.0
Matting agents & Wax	15.0
MBF / BAPO	5.0
	110

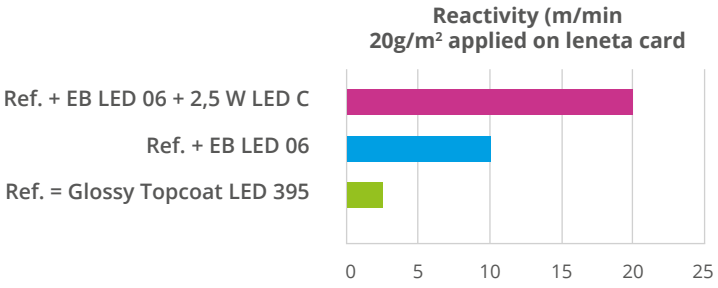
Formulation viscosity 1550mPa s (25°C)

Application: 20g/m2 applied
Reactivity: 7,5 m/min with 16W/cm² LED 395 + 2,5W LED C

Performance	
Stain resistance 24H	
Coffee	3/5

Gloss	
Gloss 60˚	35

Compatibility
EBECRYL® LED 06 showcases excellent compatibility with a broad spectrum of selected resins, including urethane acrylates, polyester acrylates and epoxy acrylates. It also pairs well with acidic additives like adhesion promoters, making it highly versatile in various formulations.
However, not all resins will be compatible with EBECRYL® LED 06, so it's important to perform compatibility checks prior to use. Resins containing amines have limited compatibility with EBECRYL® LED 06.



For additional details on this product and starting-point formulations, please reach out to our technical expert:

- **Askin Bilge** • askin.bilge@allnex.com

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