

# UCECOAT® 2501

Versatile UV PUD for Wood & Furniture

February 2017



## INTRODUCTION

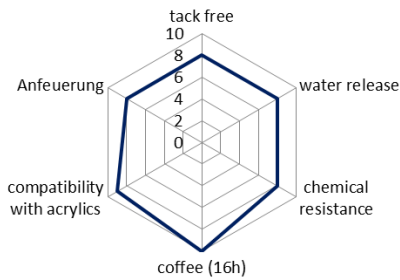
UCECOAT 2501 is a tin-free, VOC free, aliphatic polyurethane acrylate dispersion. It is a robust and versatile resin ideally suited for energy curable industrial coatings applied by spray, curtain or roller coating. UCECOAT 2501 is mainly intended to be used as blending partner with water-borne resins, both UV/EB reactive and WB acrylics.

## PERFORMANCE HIGHLIGHTS

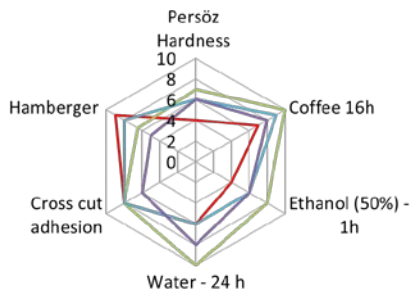
UCECOAT 2501 is characterized by:

- Very good cost/performance balance
- Tack free after physical drying
- Excellent compatibility with WB acrylics
- Good adhesion on glass and plastics
- Excellent dispersion stability
- Very good water release
- Good Anfeuerung

UV/EB cured properties of CLEAR coatings based on UCECOAT 2501 are characterized by the following performance properties:



UV/EB cured properties of WHITE coatings based on UCECOAT 2501 are characterized by the following performance properties:



**UCECOAT 2501**

60 UCECOAT 2501 / 40 UCECOAT 7655

60 UCECOAT 2501 / 40 UCECOAT 7700

90 UCECOAT 2501 / 10 UCECOAT 7200

The actual properties of UV/EB cured products also depend on the selection of other formulation components such as reactive diluents, additives and photoinitiators.

UCECOAT 2501 can be diluted further with deionized water if needed to achieve the desired viscosity. It is recommended to stir the product prior to use.

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## TYPICAL PHYSICAL PROPERTIES

TYPICAL PHYSICAL PROPERTIES	VALUE
Appearance	Milky-White liquid
Density, g/ml at 25°C	~1.1
Particle size, nm	<125
pH	7.0–8.5
Solid content by weight, %	~40
Viscosity at 25°C, cP/mPa·s	<200

## STORAGE AND HANDLING

Before using UCECOAT 2501, consult the Safety Data Sheet for additional information on hazards, handling procedures, and recommended protective equipment.

The recommended storage temperature range for UCECOAT 2501 is  $\geq 4^{\circ}\text{C}$  ( $39^{\circ}\text{F}$ ) to  $\leq 40^{\circ}\text{C}$  ( $104^{\circ}\text{F}$ ). Protect the product from freezing. Avoid conditions that may expose the material to high temperatures. Protect from direct sunlight. Use with adequate ventilation. Keep container closed. After prolonged storage product can settle and may require agitation to re-disperse. This product is stable under normal conditions of handling and storage. UCECOAT 2501 should not be stored for more than 1 year.

## PRECAUTIONS

Avoid contact with skin and eyes and breathing vapours. Direct contact with this material may cause minimal eye and skin irritation. Wash thoroughly after handling.

Please refer to the Allnex Guide to Safety and Handling of Acrylate Oligomers and Monomers for additional information on the safe handling of acrylates.

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