

# UCECOAT® 7240

For **Plastics** applications  
(Automotive | Consumer Electronics | Packaging | Household Appliances)



Waterborne UV Polyurethane Dispersion



**Waterborne UV resins** are often viewed as having limited use for plastics applications due to the challenging plastic adhesion issues this technology is usually confronted with. Our line of UCECOAT solutions for plastics have made this problem ancient history!

**UCECOAT®7240** is a new versatile waterborne UV PUD resin that provides formulators with excellent adhesion to a wide array of plastic substrates (PC, PC/ABS, ABS, PVC, PET-G), on top of many other significant advantages that make it a very well balanced solution from a performance standpoint.

## Value Proposition

- Low VOC
- Excellent adhesion to most plastic substrates
- Excellent humidity and water resistance
- Excellent compatibility with metallic pigments and additives
- Good and improved chemical resistance
- Good scratch resistance in clear and matte formulations
- Formulation flexibility

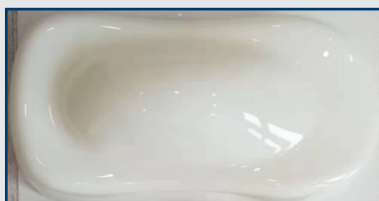


## WBUV for Plastics

### Surface effects

#### ► CLEAR EFFECT

*Excellent hot water resistance and RCA*



#### ► MATTE EFFECT

*Excellent hot water resistance and RCA*



#### ► METALLIC EFFECT

*Excellent compatibility and good chemical resistance*



#### Adhesion to Plastic Substrates

Substrate	UCECOAT® 7240
PC panel Lexan 9030	Suitable
PC sheet Lexan	Suitable
PVC panel ► grey, transparent, flexible, rigid (LVT, matte)	Suitable
PET-G	Suitable
ABS (black)	Suitable
ABS/PC (black)	Suitable

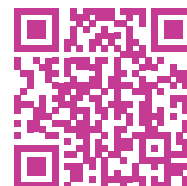
#### Humidity and Hot Water Resistance (Aspect + CHA)

Humidity resistance (100 hours, 60°C, 90% RH)	UCECOAT® 7240
PC	Suitable
ABS/PC	Suitable
ABS	Suitable
Hot water resistance (60 minutes, 80°C)	UCECOAT® 7240
PC	Suitable
ABS/PC	Suitable
ABS	Suitable

#### UCECOAT® 7240 Base Properties

Stain resistance	UCECOAT® 7240
Water (24 hours)	Suitable
Coffee (16 hours)	Suitable
Eosine 2% in H.O (16 hours)	Suitable
Iso-betadine (16 hours)	Suitable
EtOH (50%) (16 hours)	Suitable
Heinz Ketchup (16 hours)	Suitable
Marker Artline 70N black (5 minutes)	Suitable

- **North America:** Marcus Hutchins • [marcus.hutchins@allnex.com](mailto:marcus.hutchins@allnex.com)
- **EMEA:** Kevin Poelmans • [kevin.poelmans@allnex.com](mailto:kevin.poelmans@allnex.com)
- **China:** Derek Zhang • [derek.zhang@allnex.com](mailto:derek.zhang@allnex.com)
- **Rest of Asia:** Chuleekorn Weeraruk • [chuleekorn.weeraruk@allnex.com](mailto:chuleekorn.weeraruk@allnex.com)



UCECOAT® 7240 is currently available globally.

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**Email: [UVEB@allnex.com](mailto:UVEB@allnex.com) - Worldwide Contact Info: [www.allnex.com](http://www.allnex.com)**