

# UCECOAT® 7230

For hard coat applications on plastics - Radcure



UCECOAT 7230 is a new unsaturated aliphatic polyurethane dispersion, our first waterborne UV dispersions specifically designed for plastic hardcoat applications. It guarantees direct adhesion to most plastic substrates (e.g. ABS, PC, ABS/PC).



## Value Proposition

- Superior performance
  - Very high hardness with superior abrasion resistance compared to solvent-based UV 6f hardcoat
  - Very good balance of hardness and flexibility to reduce cracking and brittleness of the coating
- Great aesthetics
  - Excellent optical properties (high gloss and low haze)
  - Low yellowing after cure
- Ease of formulation
  - Good compatibility with waterborne resins for boosting other performances
  - Neutral to slightly alkaline pH

- Environmentally-friendly
  - Tin-free (REACH-compliant)
  - Low VOC (solvent-free)

That means...

- No risk of migration
- Better compatibility
- Higher reactivity
- Increased productivity (high-speed printing)

## UCECOAT® 7230

Target

- Industrial plastics



- Automotive interior



- Cosmetic plastics



- Consumer electronics



Waterborne UV hard coats provide regulatory- and environmentally-compliant opportunities with a similar high coating performance as 100% UV without requiring dilution solvents or monomers for low-viscosity spray gun applications.

### Solvent based UV

High performance	✓
Low viscosity	✓
High solids	✓

### Water based UV

High performance	✓
Low viscosity	✓
High solids	✓
Low VOC (Volatile Organic Compound)	✓

Please contact us for additional information on starting-point formulas, recommended additives or any other questions regarding UCECOAT 7230 resins.

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