



FEATURED PRODUCT

EBECRYL[®] 3300

Modified Epoxy Acrylate for Metal Coatings

UV/EB curable coatings containing **EBECRYL 3300** demonstrate high reactivity, good adhesion to metal, balanced hardness and flexibility, and superior chemical and corrosion resistance. Recommended applications include clear and pigmented coatings for metal pipe and tubing, along with other general industrial metal coatings. **EBECRYL 3300** is supplied diluted 35% by weight with the reactive diluent DPGDA (dipropylene glycol diacrylate).

KEY FEATURES & PERFORMANCE (typical properties-not specifications)	COLOR, GARDNER	DENSITY g/ml at 25°C	ACID VALUE mg KOH/g	VISCOSITY cP at 25°C	FUNCTIONALITY theoretical	TENSILE STRENGTH psi	ELONGATION AT BREAK %	YOUNG'S MODULUS psi	TG °C
<ul style="list-style-type: none"> • High reactivity • Low viscosity • Balanced hardness and flexibility • Good corrosion resistance • Stability with acidic adhesion promoters 	<3	1.12	<1.5	1100	2	9135	5	5	130

Highlights

Enhanced adhesion, flexibility + hardness: **EBECRYL 3300**-based coatings display good adhesion to steel, aluminum and galvanized metal substrates when combined with the acidic adhesion promoters **EBECRYL 168**, **EBECRYL 170** or **EBECRYL 171**, and combines impact resistance with hardness.

High reactivity: Blends containing **EBECRYL 3300** display excellent cure response.

Corrosion protection: Coatings (30μ) with **EBECRYL 3300** have passed >240 hours salt fog with no anticorrosion pigments.

Starting Point Formulation

General Formula	%
EBECRYL 3300	90.0
EBECRYL 168	5.0
ADDITOL[®] HDMAP	5.0

COATING PERFORMANCE ON HDG STEEL (10μ thickness)					
	Adhesion	Erichsen	MEK Resistance	Persoz Hardness	Reverse Impact
90% EBECRYL 3300 5% EBECRYL 168 5% ADDITOL HDMAP	5B	4 mm	>100 dr	314 sec	130 in-lb.

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