

D.E.H.™ 805

Please use this Technical Data Sheet (TDS) in conjunction with this product's country-specific Safety Data Sheet (SDS) and the Safe Use conditions as described therein. Current Safety Data Sheets can be requested from Olin at info@olinbc.com

Description D.E.H.™ 805 is an amine curing agent dissolved in water and designed to emulsify epoxy resins. The product contains no VOC according to the European Directive 2004/42/EC and no alkyl phenol.

Benefits D.E.H. 805 serves as a curing agent for thin layer applications (primer or top-coat). When cured with D.E.R.™ 3221 and applied as a primer under a D.E.H. 804 based top-coat, D.E.H. 805 did not contribute to significant emissions, such that the full flooring system could pass the AgBB evaluation scheme and get labeled A+ according to the French labeling of construction products evaluation scheme. When using D.E.H. 805 to develop formulations applicable with a roller, flooring presenting a matte, satin or high gloss finish can be achieved.

Applications

- Building & Civil Engineering: Primers & Impregnation
- Building & Civil Engineering: Roller Coating Flooring

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
AHEW	220 g/eq	220 g/eq	
Viscosity, absolute (77°F (25°C), C/P 50 mm)	10000 to 19000 mPa·s	10000 to 19000 mPa·s	ISO 3219
Colour (Max. Gardner)	6	6	ASTM D1544
Density (77°F (25°C))	1.11 g/cm ³	1.11 g/cm ³	ASTM D4052
Solids Content	64 to 66 %	64 to 66 %	ASTM D2369
Amine Value	170 to 230 mg KOH/g	170 to 230 mg KOH/g	ISO 9702
Pot Life ² (73°F (23°C), 100 g)	120 min	120 min	GELNORM Geltimer-TC
Pendulum Hardness (Koenig) ³			DIN 53157
55°F (13°C), 80% RH, 1.0 day	6	6	
55°F (13°C), 80% RH, 2.0 day	16	16	
55°F (13°C), 80% RH, 7.0 day	54	54	
73°F (23°C), 50% RH, 1.0 day	34	34	
73°F (23°C), 50% RH, 2.0 day	53	53	
73°F (23°C), 50% RH, 7.0 day	124	124	
Compressive Strength ⁴			ISO 604
14.0 day, 73°F (23°C), 50% RH	3480 psi	24.0 MPa	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ Typical properties: these are not to be construed as specifications.

² Reference Resin: D.E.R.™ 331

³ Reference Resin: D.E.R.™ 3221

⁴ Reference Resin: D.E.R.™ 3531

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Regulatory Datasheets (RDS)

Olin Corporation provides information on the regulatory status of its products under prominent regulatory programs in the Regulatory Datasheet (RDS). Regulatory Datasheets can be requested from Olin at info@olinbc.com

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