

D.E.H.™ 630

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.™ 630 is a modified cycloaliphatic amine epoxy curing agent.

Benefits D.E.H.™ 630 modified cycloaliphatic amine is a patent-pending curing agent, which has been designed as an alternative to traditional Mannich base curing agents to offer high performance and strong health and safety profile.

Just like traditional Mannich bases, D.E.H. 630 develops a Shore D of 40 (walk-over) rapidly, both at low temperatures and normal temperatures. It therefore contributes to solving some of the recurring construction industry challenges, i.e. reduce time spent on site, reduce building down-time and expand construction season.

In addition, in comparison to traditional mannich bases, D.E.H.™ 630 allows developing formulations featuring improved chemical resistance, in particular against solvents. It is hence a preferred choice for durable flooring formulations meant to be applied in stringent environments such as warehouses, production facilities etc.

Ageing tests also demonstrated that castings prepared with D.E.H.™ 630 did not yellow as much over time as castings prepared with traditional mannich bases curing agents. This new curing agent thus allows improving flooring aesthetics.

Finally, because it does not contain any alkyl phenol (including para tertiary butyl phenol), D.E.H. 630 does not bear an R62 label (risk of impaired fertility). It therefore allows flooring formulators to take full advantage of D.E.H. 630 performances without affecting their flooring formulations labeling.

Note that D.E.H. 630 does not contain either nonyl phenol, benzyl alcohol or bisphenol A.

- Applications**
- Building & Civil Engineering: Mortars & Grouts
 - Building & Civil Engineering: Primers & Impregnation
 - Building & Civil Engineering: Roller Coating Flooring
 - Building & Civil Engineering: Self-leveling Flooring

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
AHEW	73 g/eq	73 g/eq	
Viscosity, absolute (77°F (25°C))	700 to 900 mPa·s	700 to 900 mPa·s	ISO 3219
Colour (Max. Gardner)	6	6	ASTM D1544
Amine Value	390 to 420 mg KOH/g	390 to 420 mg KOH/g	ISO 9702
Pot Life ² (73°F (23°C), 100 g)	14 min	14 min	GELNORM Geltimer-TC

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. 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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Contact Information

USA:	1-844-238-3445	Canada:	1-877-304-4442
China:	86-4008859485	France:	33-176361145
Germany:	49-41417693000	Hong Kong:	852-58081886
Italy:	39-0694805761	Japan:	81-345406770
Latin America:	55-1151884105	Russia:	7-4996092327
Singapore:	65-31632006	South Korea:	82-260221296
United Kingdom:	44-8000869047		

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