

DEPOL DL-800 is a medium-reactive, pre-accelerated, unsaturated, orthophthalic-based polyester resin.

1. BASIC CHARACTERISTICS AND APPLICATION AREA

Due to its good mechanical, thermal and electric properties and also weather resistance it is commonly used in:

- production of artificial stone
- production of molded marble
- production of polymer-concrete bathroom and lavatory equipment
- production of reservoirs

Working with resin requires room temperature and using of accelerator-hardener system (cobalt octoate – MEKP).

2. RESIN DELIVERY CHARACTERISTICS

Property	Unit	Value	Method
1. Appearance		Transparent liquid without mechanical impurities	Visual
2. Non-volatile-matter content	%	60±2	GOST P 52487 and p. 4.4. of Technical Specification
3. Dynamic Brookfield viscosity 23°C; spindle 2; speed 12	mPa.s	400-500	GOST 25271-93
4. Acid value	mgKOH/g	30-35	ISO 3682
5. Density 20°C	g/cm ³	1,1±0,05	GOST 18329 and p. 4.3 of Technical Specification
6. Gel time: 2% of Butanox M50	minutes	7-12	GOST 22181 and p. 4.5 of Technical Specification
7. Flash point	°C	31	ISO 3679

3. CURING CHARACTERISTICS OF RESIN

Gel time 20°C (method: Dugalak)		
Co-naphthenate (1%)	MEKP (50%)	
1%	2%	17-22 min
2%	3%	7-12 min
Curing 80°C with 2% of BP 50 (method: ISO R / 584)		65°C-90°C=6-8 min 65°C-Tmax=9-10 min Tmax=195-205°C

www.dugalak.com

D.O.O. Dugalak, Serbia

Sales: 11000 Belgrade, Bul.Arsenija Carnojevica 101

Phone: +381 11 711 9590

E-mail: ivana.stanistic@dugalak.com

Technical support:

Phone: +381 60 389 0180, +7 962 212 37 42

E-mail: d.zivkovic@dugalak.ru

4. STANDARD PACKAGING

220 kg two-necked metal barrels, 1000 kg IBC.

5. STORAGE

Warranty period	6 months
Storage conditions	resin should be stored indoors at 25°C in its original packaging, it should be kept away from direct sunlight

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