

## Improving performance in resins

Arkema provides a full range of polyols under the brandname Dianol<sup>®</sup>. Thanks to their chemistry, these polyols give enhanced properties to resins.

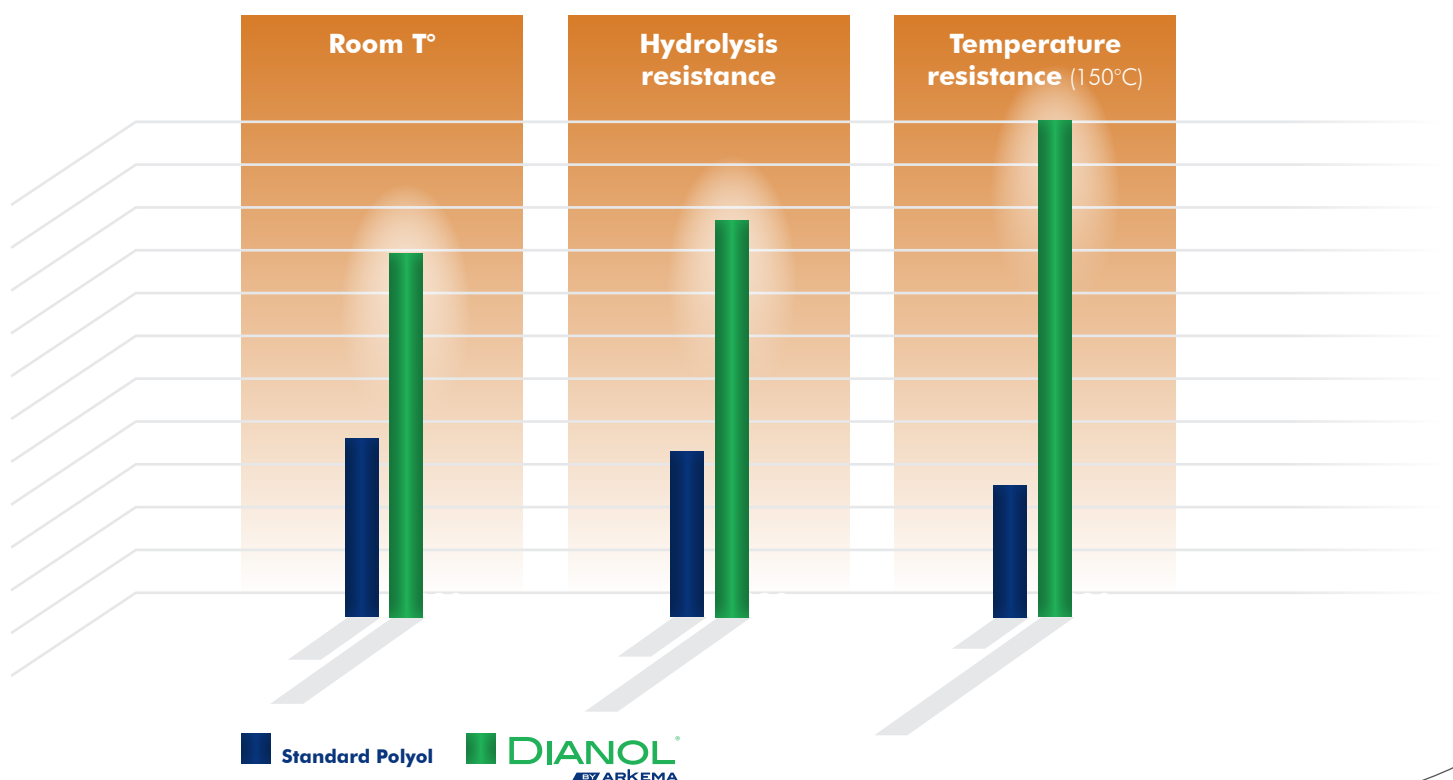


### USING OUR DIANOL<sup>®</sup> POLYOLS IN RESIN FORMULATIONS

- improves **adhesion**,
- improves mechanical properties at **high temperatures**,
- gives a good compromise between **flexibility and hardness**,
- gives good **chemical and hydrolysis resistance**,
- gives higher **Glass Transition**.

### ZOOM ON POLYURETHANE: ADHESION ON WOOD

Comparative study standard polyol vs Dianol<sup>®</sup> in prepolymers for adhesion on wood (Tear strength for wood adhesion (MPa)).



## Our Dianol® product range

	Product	OH Type	Hydroxyl Number Mg KOH/g	Molecular Weight	Viscosity (mPa.s)
<b>Dianol®</b>	<b>223D</b>	<b>Primary</b>	<b>350</b>	<b>315</b>	<b>Solid</b> (MP*=110°C)
	<b>320 HP</b>	<b>Secondary</b>	<b>325</b>	<b>345</b>	<b>Solid</b> (MP*=60°C)
	<b>330</b>		<b>280</b>	<b>400</b>	<b>1 300</b> (50°C)
	<b>240</b>	<b>Primary</b>	<b>280</b>	<b>405</b>	<b>10 000</b>
	<b>260</b>		<b>230</b>	<b>490</b>	<b>3 000</b>
	<b>3120</b>	<b>Secondary</b>	<b>130</b>	<b>865</b>	<b>1 000</b>
	<b>3130</b>		<b>110</b>	<b>1000</b>	<b>800</b>

\*MP : Melting Point

### Arkema's expertise

- ◆ Dedicated technical and commercial network
- ◆ Sales, logistics and customer service teams working closely to ensure reliable deliveries
- ◆ Partnerships with reference international players
- ◆ Global service offer with tailor-made products

Our technical and sales teams are at your disposal to guide and advise you in your choice and implementation of our Dianol® polyols.

> Contact us on [arkema.com](http://arkema.com)

A designer of materials and innovative solutions, Arkema shapes materials and creates new uses that accelerate customer performance. Our balanced business portfolio spans high-performance materials, industrial specialties and coating solutions. Our globally recognized brands are ranked among the leaders in the markets we serve. Reporting annual sales of €8.3 billion in 2017, we employ approximately 20,000 people worldwide and operate in close to 55 countries. We are committed to active engagement with all our stakeholders. Our research centers in North America, France and Asia concentrate on advances in bio-based products, new energies, water management, electronic solutions, lightweight materials and design, home efficiency and insulation. [www.arkema.com](http://www.arkema.com)  
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