

ESSENTIAL R2337

ZINC CROSS-LINKED FLOOR FINISH POLYMER

Essential R2337 uses Zinc cross-linking that allows for formulations to create floor coatings with the ability to build gloss faster than a conventional Zinc cross-linked polymer. The formulation is ideal for limited maintenance programs, yet will respond to burnishing.

The polymer also can be formulated to meet the strict VOC requirements of California and is APEO-free.

KEY BENEFITS

- High gloss
- Excellent durability
- Quick recoat
- APEO-free
- Formulation meets California VOC rules

DISCLAIMER: The information and recommendations contained herein are based on data believed to be correct. The information is offered solely for the customer's consideration, investigation and verification because of numerous factors beyond our control affecting the results of the use of products, Essential Industries, INC. makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for a particular purpose, other than that the product conforms to its applicable current standard specification. The manufacturer's only obligation shall be to replace such quantity of the product proven to be defective.

TYPICAL PROPERTIES*

Appearance	Translucent Emulsion
pH.....	8.0
Solids, % by Weight	39.0
Solids, % by Volume	36.7
Specific Gravity	1.06
Viscosity, cP @ 25°C	< 50
Density, Lbs./Gal.....	8.87
VOC Level (As Supplied)	
Lbs./Gal	0.1
g/L	6.1

*These values should not be interpreted as specifications.



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Starting Point Formulation – ALQ281

<u>Materials</u>	<u>Pounds</u>
Essential R2337	428 lbs.
Foamex 825	1.8 lbs.
Capstone FS-65	0.61 lbs.

Premix the following water and solvents, then add slowly.

Water	493.89 lbs.
Dipropylene Glycol Monomethyl Ether	4.8 lbs.
Diethylene Glycol Monoethyl Ether	17 lbs.
Diethylene Glycol Monopropyl Ether	19.4 lbs.

Kathon LX	0.25 lbs.
Cupric Nitrate	0.002 lbs.
Tributoxy Ethyl Phosphate	13.3 lbs.
Benzoflex LC-531	11 lbs.
Benzoflex 181	2.3 lbs.
43G40 Wax	7.9 lbs.

TOTAL: 1000.00 Lbs.

Formulation Attributes

Solids, % by weight	20%
pH.....	7.6
Viscosity (CPS)	6.00 centipoise
VOC	< 1%
Wt/gal	8.59 lbs./gal.
Polymer/ASR/Wax	90/8/2

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Formulation Performance Information

All formulations tested at 20% solids and <1% VOC.

Black Tile Gloss Results:

	<u>Degree Gloss</u>	<u>Competitive Polymer</u>	<u>Commercially Available</u>	
			<u>25% Floor Finish</u>	<u>ALQ281</u>
1st Coat	60	37	32	34
	20	9	7	8
2nd Coat	60	50	59	55
	20	19	23	21
3rd Coat	60	70	74	74
	20	36	42	41
4th Coat	60	82	82	83
	20	56	52	54

Black Heel Mark Resistance:

Rating	<u>Commercially Available</u>		
	<u>Competitive Polymer</u>	<u>25% Floor Finish</u>	<u>ALQ281</u>
	Excellent	Excellent	Excellent

Konig Hardness (1-mil dry):

	<u>Competitive Polymer</u>	<u>ALQ281</u>
1 Day	70	79
7 Day	81	89

Supplier Information

<u>Product</u>	<u>Description</u>	<u>Supplier</u>
Foamex 825	Defoamer	Evonik
Benzoflex LC-531	Plasticizer	Eastman
Benzoflex 181	Plasticizer	Eastman
Capstone FS-65	Leveling Aid	Dupont
Kathon LX	Preservative	Dow
43G40 Wax	Wax Emulsion	Chemcor