

ESSENTIAL R6030

SELF-CROSS-LINKING ACRYLIC/URETHANE

Essential R6030 is a new self-cross-linking acrylic/urethane blend technology. This special combination of polymers provides excellent protection to polished stained concrete. Essential R6030 hardens the surface while forming a thin protective coat that offers superior chemical and mar/scratch resistance. It is also very responsive to burnishing with diamond impregnated pads and also has some water beading properties.

KEY BENEFITS

- Provides protection from spills
- Mar and scratch resistance
- Non-yellowing
- Responsive to diamond polishing

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	Milky-White Emulsion
pH.....	8
Solids, % by Weight	40%
Viscosity, cP @ 25°C	< 50 cps
Density, Lbs./Gal.....	8.70
VOC Level (As Supplied)	
Lbs./Gal.	0.25
g/L.	<30
Freeze/Thaw Stable	No

*These values should not be interpreted as specifications.



**Essential[®]
Polymers**

The Spark of Innovation

Visit us on the web at
www.essentialpolymers.com

28391 Essential Road • P.O. Box 12
Merton, WI 53056-0012
(262) 538-0091 • FAX: (262) 538-1354

ESSENTIAL R6030

Self-Cross-Linking Acrylic/Urethane

Starting Point Formulation

ALX241

Place water into vessel, begin agitation. Add remaining ingredients in order listed. DPnB and TBEP should be added slowly and allowed to mix for a few minutes before moving forward.

<u>Materials</u>	<u>Pounds</u>
Essential R6030	471.11
Water	489.88
Foamex 825	0.94
Dynol™ 800	9.40
Dipropylene Glycol Butyl Ether	15.98
Capstone™ FS-65	0.94
Tributoxy Ethyl Phosphate	11.75
Total:	1000.00

Formulation Attributes

- APEO-free
- DBP-free

Solids, % by weight	20%
pH.....	8.2
Viscosity (CPS)	3.5
VOC	< 100 g/L
Wt/gal	8.48
Konig Hardness.....	65 secs
Freeze/Thaw Stable.....	No

ESSENTIAL R6030

Self-Cross-Linking Acrylic/Urethane

Stain Testing

Procedure

- Two coats of material applied to floor.
- Dried coatings were burnished and allowed to sit for 24 hours.
- Staining materials placed on the coatings and left on floor for one hour.
- At that time the area was cleaned.

Materials Used

- | | | |
|------------------|-------------------|----------------------|
| 1 - Pickle juice | 4 - Tomato juice | 7 - Red wine vinegar |
| 2 - Red wine | 5 - Beet juice | 8 - Vegetable oil |
| 3 - Cola | 6 - White vinegar | 9 - Yellow mustard |

Comparison Photos

