

ESSENTIAL R6030

SELF CROSS-LINKING URETHANE/ACRYLIC POLYMER

R6030 is a blend of a self cross-linking acrylic and polyurethane dispersion that provides excellent protection to polished stained concrete. R6030 hardens the surface while forming a thin protective coat that offers superior chemical, stain and mar resistance. It is also very responsive to burnishing with diamond impregnated pads.

KEY BENEFITS

- Chemical and stain resistance
- Mar and scratch resistance
- Non-yellowing
- Responds to diamond polishing

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TYPICAL PROPERTIES*

Appearance	Translucent White
pH.....	8.0
Solids, % by Weight	40.0
Viscosity, cps @ 25°C	< 50
Density, lbs/gal	8.7
% VOC	1.6
Tg °C	35
Acid Number	11
Freeze/Thaw Stability	Fails
Konig Hardness (secs).....	65

*These values should not be interpreted as specifications.



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Self Cross-Linking Urethane/Acrylic Polymer

Starting Point Formulation

R6241

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
Polyfox PF-136A	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

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Self Cross-Linking Urethane/Acrylic Polymer

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

