

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

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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

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ESSENTIAL R6030

Self-Cross-Linking Acrylic/Urethane

Starting Point Formulation

ALX241

Materials

| | <u>Pounds</u> |
|-----------------|---------------|
| Essential R6030 | 471.11 |
| Foamex 825 | 0.94 |
| Dynol™ 800 | 9.40 |

Preblend water and the following solvents, then add slowly.

| | |
|--------------------------------|--------|
| Water | 489.88 |
| 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 |

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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

