



## GUIDE TO: Acrylic Sealers

Acrylic sealers come in both solvent and water-based formulations. They can be used on both interior and exterior surfaces to form a thin, protective film that provides good protection against water and chloride intrusion while permitting moisture in the slab to escape. All Dayton Superior acrylic sealers are formulated to be UV resistant and non-yellowing. Available in a range of sheen levels, they also can be used to enhance the beauty of colored, stamped or exposed-aggregate concrete.

### What are the expectations of the acrylic sealer

- Water repellency
- Aesthetic enhancement of colored concrete
- Increased abrasion resistance
- Chemical and stain resistance, and to what chemicals
- Gloss Level

*Note: A sealer is not a curing compound, nor a curing & sealing compound, and cannot be expected to compensate for concrete that is inadequately cured.*

### Considerations in Selecting a Sealer

- Is it a vapor barrier, or breathable?
- Is the application interior or exterior?
- Local Volatile Organic Compound (VOC) restrictions.
- What are the main benefits the owner is looking to receive?
- Does the sealer reduce traction?
- How soon after concrete placement can the sealer be applied?
- How is the sealer applied (spray, rolled or combination)?
- Turn-around time (how soon can the treated surface area be used)
- Future maintenance

### Surface Preparation

- Surface must be clean, dry, free of grease, dirt, paint and efflorescence (white residue).
- If the substrate is wet from rain or from surface cleaning, wait a minimum of 24 hours to allow the surface to dry.
- Repair any defects prior to sealing.
- Protect surrounding areas from overspray.

### Preparation Before Application

- Review the product's technical data sheet
- Verify all traces of curing membranes and/or other contaminants are removed from the surface.
- The material is preconditioned per the manufacturer's recommendation.
- In exterior applications, ensure ambient and substrate temperatures fall within the manufacturer's acceptable range, and rain is not expected for at least 12 hours.
- Mix the sealer prior to use.

### Application

- Apply the sealer in accordance with the manufacturer's recommendations
- Several thin applications are better than one heavy application
- Apply uniformly for best performance & aesthetic value
- Always recommend a mock-up using the same materials and applicator that will do the job; Texture, color, uniformity, transparency can be subjective.



## ACRYLIC SEALERS by Dayton Superior

### Ultra Seal EF

- Water-based acrylic sealer
- VOC of less than 100 g/L making it compliant in all U.S. and Canadian regulations.
- Low odor
- Suitable for both interior and exterior applications.
- High gloss and blush resistant
- Excellent UV stability, non-yellowing
- MAS “Certified Green”
- Tested and compliant per CDPH V1.2

### Tuf Seal™ J35

- Solvent-based methyl methacrylate
- High gloss, “Wet Look” finish
- Easy to recoat – no extensive surface preparations
- Resists gasoline, grease, and many oils
- Non-yellowing, clear coating
- Breathable film
- Reduces maintenance and clean-up time
- Excellent protection against weathering

### Tuf Seal™ J35S (Satin Finish)

Same benefits as the Tuf Seal J35, in a satin finish

### AggreGloss™ J25

- Solvent-based methacrylate
- High gloss, “Wet Look” finish
- Non-yellowing, clear coating
- Excellent adhesion to substrate
- Inhibits attack by airborne contaminants
- Breathable film
- Resists mildew and surface staining
- Protects against rain

### AggreGloss™ J25 (Satin Finish)

Same benefits as the AggreGloss J25, only in a satin finish

### AggreGloss™ J25LVOC

- Exempt solvent-based acrylic
- Designed with advanced and VOC compliant solvents to meet the VOC requirements of the EPA, OTC, CARB and LADCO.
- High gloss, “Wet Look” finish
- Non-yellowing, clear coating
- Excellent adhesion to substrate
- Breathable film
- Resists mildew and surface staining
- Protects against rain

### **Companion/ Add-in Products**

#### Grip Aid

- Anti-Slip translucent powder for cure & seals and sealers
- Will reduce slipperiness of the sealed concrete surface
- Will not affect topcoat color
- Can be used for interior and exterior applications