



## Guide to Latex Bonding Agents/Additives

A bonding agent is designed to improve the adhesion and durability of concrete, masonry, stucco, terrazzo and portland cement-sand mixes. They are used on horizontal and vertical concrete and other surfaces.

### Standards & Specifications

**ASTM C1059** “Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete”

Type 1: Redispersible/ re-emulsifiable

Type 2: Not redispersible

**ASTM C1042** “Standard Test Method for Bond Strength of Latex Systems Used With Concrete By Slant Shear” (Withdrawn 2008)

### Three Types Of Bonding Agents

#### **Acrylic**

Acrylic latex bonding agents are typically wet-on-wet applications. Some of these products can be used as admixtures to improve the performance of concrete and mortar mixes. Once dry, these products will not re-wet.

#### **Polyvinyl Acetate [PVA]**

PVA bonding agents are excellent for repair work and form & pour applications. These products are often re-wettable so they can be applied and allowed to dry prior to concrete or mortar.

#### **Ethylvinyl Acetate [EVA]**

Similar to PVA's, EVA bonding agents can also be re-wettable. EVA bonding agents are often used as primers for underlayments and topping slabs.

#### **Notes:**

- Re-emulsifiable bonding agents are intended to be applied and allowed to fully dry in a repair area. Once exposed to fresh concrete or mortar, the bonding agent will re-wet and bond.
- If acrylic bonding agents are allowed to dry before application, they will not accept fresh mortar and may act as a bond breaker.

## Dayton Superior Cure & Seals

### Acrylic Bonding Agent J40

- Acrylic Bonder
- Not re-wettable
- Wet-on-wet application
- Meets ASTM C1059 Type 2
- Interior / exterior applications
- Bonding agent and admixture
- Excellent bond strengths
- **MAS** “Certified Green”
- Compliant per CDPH V1.2 for LEED projects

### PVA Bonding Agent J41

- Polyvinyl Acetate [PVA]
- Re-emulsifiable / re-wettable
- Meets ASTM C1042 and ASTM C1059 Type 1
- Can be used when there is a delay between bonding agent application & subsequent placement of topping or coating
- Concentrated formula
- **MAS** “Certified Green”
- Compliant per CDPH V1.2 for LEED projects

### Level Primer J42/ J42RTU

- Ethylvinyl Acetate (EVA)
- Re-emulsifiable/ re-wettable
- Specifically for use with underlayments and toppings
- Reduces pinholes in levelers
- Increases bond between the levelers and substrate
- J42 concentrate can be used undiluted over wood and tile for additional bond strength.
- The J42 RTU is “Ready to Use”, no dilution required
- **MAS** “Certified Green”
- Compliant per CDPH V1.2 for LEED projects