

# Flooring Preparation: Underlayments & Toppings Selection Matrix



|                            |                                    | Primers  |   | Moisture Mitigation  | Self Leveling Underlayments  |  |  | Lightweight Self-leveling Underlayments  | Deep Pour Underlayments   | Wear Toppings  | Resurfacers   |
|----------------------------|------------------------------------|--|---|--|--|--|--|--|---|--|---|
|                            |                                    | Level Set Primer   | Level Set Primer Plus   | Moisture Vapor Reducer   | Level Set 100  | Level Set 200  | Level Set 300  | Level Set LW-60  | Level Set Deep Pour 3   | Level Set Wear Topping   | Concrete Resurfacer (CR)  |
| DESCRIPTION                |                                    | Liquid polymer latex bonding agent for interior applications of Level Set products | Highly concentrated film-forming dispersion for priming very dense, smooth non-absorbent substrates such as terrazzo, marble, metal decking, ceramic and quarry tile prior to the installation of the Level Set product | Proprietary penetrating film-forming zero VOC coating for reducing the moisture vapor transmission rate from a cementitious substrate by at least 80% prior to the installation of self leveling systems, skimcoats, moisture sensitive floor finishes, and resinous coating systems | Polymer modified, portland cement based self-leveling underlayment | Calcium aluminate cement based self-leveling underlayment offering outstanding workability and high strength | Premium calcium aluminate cement based self-leveling underlayment offering outstanding workability and high strength | Lightweight calcium aluminate cement based self leveler that is half the weight of typical gypsum or portland cement systems | Calcium aluminate cement based, single component, non-shrink, fast setting, self-leveling underlayment engineered for deep pour applications up to 3" | High-strength, abrasion-resistant wear surface ideal for decorative concrete | Polymer modified cement based resurfacer designed to make concrete look new again |
| INTERIOR/ EXTERIOR         |                                    | INTERIOR   | INTERIOR  | INTERIOR   | INTERIOR   | INTERIOR   | INTERIOR   | INTERIOR   | INTERIOR  | INTERIOR   | INTERIOR / EXTERIOR   |
| SUBSTRATES                 | Cement backerboard                 | •  | •   |  |  | •  | •  | •  |   |  |   |
|                            | Ceramic tile                       |  | •   |  |  | •  | •  | •  |   |  |   |
|                            | Concrete                           | •  | •   | •  | •  | •  | •  | •  | •   | •  | •   |
|                            | Cutback adhesive residue           |  | •   |  |  |  |  |  |   |  |   |
|                            | Exterior grade plywood             |  | •   |  |  |  | • <sup>(1) (2)</sup>   | • <sup>(1) (2)</sup>   |   |  |   |
|                            | Terrazzo                           |  | •   |  |  | •  | •  | •  |   |  |   |
|                            | Embossing Leveler                  |  | •   |  |  |  |  |  |   |  |   |
|                            | Luan                               |  | •   |  |  |  |  |  |   |  |   |
|                            | Moisture Mitigation (MVR)          |  | •   |  | •  | •  | •  | •  | •   | •  |   |
| PLACEMENT                  | Thickness                          | n/a  | n/a   | n/a  | Up to 1"   | Feather edge to 2" neat; 5" extended   | Feather edge to 2" neat; 5" extended   | Feather edge to 2" neat  | Feather edge to 3" neat   | 1/4" to 2" neat  | Up to 1/2"  |
|                            | Working time @ 70° F               | n/a  | n/a   | n/a  | 30 minutes   | 25 to 35 minutes   | 25 to 35 minutes   | 30 minutes   | 25 to 35 minutes  | 30 minutes   | 20 to 30 minutes  |
|                            | Trowel, Pump or Pour               | Pour   | Pour  | Pour   | Pump or pour   | Pump or pour   | Pump or pour   | Pump or pour   | Pump or pour  | Pump or pour   | Trowel  |
| FLOOR COVERING ACCEPTANCE  | Tile & stone installation          | n/a  | n/a   | n/a  | 24 hours   | 3 to 4 hours   | 3 to 4 hours   | 3 to 4 hours   | 3 to 4 hours  | n/a  | n/a   |
|                            | Moisture-sensitive floor coverings | n/a  | n/a   | n/a  | 72 hours   | 16 hours   | 16 hours   | 16 hours   | 36 to 48 hours  | n/a  | n/a   |
| COMPRESSIVE STRENGTH (psi) | 24 hours                           | n/a  | n/a   | n/a  | 1,500  | 3,000  | 3,500  | 2,000  | 1,600   | 3,500  | 2,400   |
|                            | 28 days                            | n/a  | n/a   | n/a  | 5,000  | 5,000  | 5,500  | 4,000  | 3,500   | 6,000  | 5,000   |
| QUALIFYING SYSTEM WARRANTY |                                    | Lifetime, 10-year, 5-year  | Lifetime, 10-year, 5-year   | 10-year  | 10-year, 5-year  | 10-year  | Lifetime, 10-year  | 10-year  | 10-year, 5-year   | 10-year  | 10-year   |
| LEED POINTS                | TOTAL ELIGIBLE POINTS              | 3 points   | 1 point   | 3 points   | 3 points   | 3 points   | 3 points   | 5 points   | 4 points  | 3 points   | 3 points  |
|                            | Recycled Content (MR 4.1 & 4.2)    | n/a  | n/a   | n/a  | n/a  | n/a  | n/a  | 2 points   | 1 point   | n/a  | n/a   |
|                            | Regional Materials (MR 5.1 & 5.2)  | 2 points   | n/a   | 2 points   | 2 points   | 2 points   | 2 points   | 2 points   | 2 points  | 2 points   | 2 points  |
|                            | Low-emitting materials (EQ 4.1)    | 1 point  | 1 point   | 1 point  | 1 point  | 1 point  | 1 point  | 1 point  | 1 point   | 1 point  | 1 point   |

<sup>1</sup> Interior applications only.

<sup>2</sup> When mixed with Acrylic Additive

NOTE: All Level Set products require the use of Level Set Primer or Level Set Primer Plus. Installations also require proper surface preparation that include the removal of all unsound concrete, grease, oil, paint and any other foreign materials that will inhibit performance. A CSP profile of 3-5 is recommended. Patch or repair deep areas, holes or cracks with a patching product prior to the installation of any Level Set product.