

## DENSIFIER COMPARISON CHART

| LITHIUM DENSIFIER   | SODIUM DENSIFIER   | COLLOIDAL DENSIFIER   | POTASSIUM DENSIFIER   |
|---|--|---|---|
| <i>Example: Ultralit Hard</i>   | <i>Example: Ashford Formula</i>  | <i>Example: Lythic Densifier</i>  | <i>Example: WerkMaster Ultrahard</i>  |
| Hardness improvement over 40%   | Hardness improvement over 35%  | Hardness improvement over 31%   | Hardness improvement N/A  |
| High coverage rate of 50-100 ml/m <sup>2</sup>                                      | Small coverage rate of 200-250 ml/m <sup>2</sup>                           | Medium coverage rate of 100-150 ml/m <sup>2</sup>                         | Small coverage rate of 200-250 ml/m <sup>2</sup>                                |
| Dust proofs concrete floor  | Dust proofs concrete floor   | Dust proof properties N/A   | Dust proofs concrete floor  |
| Smallest molecules, deep penetration  | Biggest molecules, minimal penetration                                     | Smallest molecules, deep penetration                                      | Medium molecules, minimal penetration   |
| Fast and complete chemical reaction (20 silicas to 1 lithium ion)                   | Slow and incomplete chemical reaction (3 silicas to 1 sodium ion)          | Fast and complete chemical reaction                                       | Slow and incomplete chemical reaction (3 silicas to 1 potassium ion)            |
| Chemical reaction takes 7-14 days   | Chemical reaction takes 6-12 months  | Chemical reaction time N/A  | Chemical reaction takes 6-12 months   |
| Easy one layer application, no wash-off needed, fast drying, no residues on surface | Hard application, wash-off needed, slow drying, leaves residues on surface | Easy application, no wash-off needed, fast drying, no residues on surface | Two layer application, wash-off needed, slow drying, leaves residues on surface |
| Good sheen  | Must be burnished to get sheen   | Low sheen   | Low sheen   |
| Good stain resistance   | Stains easily  | Limited stain resistance  | Stains easily   |
| Will not trigger ASR reaction   | Will trigger ASR reaction  | Will trigger ASR reaction   | Will trigger ASR reaction   |
| Good water resistance   | Not resistant to water   | Not resistant to water  | Not resistant to water  |
| Environmentally friendly  | Environmentally friendly   | Environmentally friendly  | Environmentally friendly  |