

# DATA SHEETS

CEMENT PRODUCTS/TECHNICAL DATA SHEET

## KUSASA CHEM KEY



### GENERAL DATA

|                        |                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description:</b>    | Kusasa Chem Key is synthetic latex based admixture specifically developed for use as a water resistant keying agent where improved flexibility & adhesion of the compound to the background is required           |
| <b>Recommended Use</b> | Used in applications to waterproof concrete slabs when mixed with portland cement to form slurries. Also used to key cement based products to difficult substrates (i.e. Smooth screeded floors/plastered walls). |

### TECHNICAL DATA

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| <b>Specific Gravity:</b>             | 1.0                                      |
| <b>Volume Solids:</b>                | 46%                                      |
| <b>Solubility:</b>                   | Miscible in water                        |
| <b>Theoretical Spreading Rate:</b>   | Approximatly 8-10 m <sup>2</sup> / litre |
| <b>Odour:</b>                        | Minimum odour                            |
| <b>Opacity:</b>                      | Clear solution                           |
| <b>Boiling Point:</b>                | Calculated as water 100°C                |
| <b>Viscosity:</b>                    | 1200cps                                  |
| <b>Dry to Overcoat Time (hours):</b> | 12 Hours                                 |
| <b>Hard Dry (Days):</b>              | N/A                                      |
| <b>Colours:</b>                      | Clear solution                           |
| <b>Polymer Type:</b>                 | Styrene (latex)                          |

### APPLICATION DATA

|                             |                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mixing Instructions:</b> | For waterproofing and/or Keying mix 1 part of Chem Key to 2 parts of portland cement (by volume) into a smooth slurry. Apply 2 coats of slurry to waterproof slabs etc allowing for 4-6 hours drying between coats. For use as keying agent apply 1 coat of slurry to substrate and whilst still wet apply cement based product. |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### RECOMMENDED SYSTEM

|                   |                                            |
|-------------------|--------------------------------------------|
| <b>Primer:</b>    | N/A                                        |
| <b>Finishing:</b> | Contact Kusasa Paints Technical Department |

### MISCELLANEOUS

|                     |                                                                         |
|---------------------|-------------------------------------------------------------------------|
| <b>Flash Point:</b> | Water Based                                                             |
| <b>Shelf Life:</b>  | 3 months in original sealed containers under correct storage conditions |

**Note:** We intend this publication to inform you about current practice without warrenty. Information on the use of our products must be tested to local conditions before application.

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