

## TECHNICAL DATA SHEET

# KEMACOLOR S

### Silicate paint



#### PRODUCT DESCRIPTION

Industrially prepared coloured coating based on silicate binders, for indoor and outdoor surfaces, for manual or mechanical coating. Water-repellent, weather-resistant, steam-permeable and simple to use.

#### Field of use

Highly vapour-permeable and water-deflecting. Can also be used in renovation and monument care.

#### Product properties

Suitable as finishing layer on all basic and mineral surfaces, on old and new mineral mortars and adequately dry concrete surfaces. Available in 200 colour tones in the colour chart.

- Suitable also as final coat of KEMA restoration plasters
- Precoating with KEMACOLOR S + 20 % of water
- Not easily soiled
- Weather-resistant
- Hydrophobic
- Highly permeable for water vapour and CO<sub>2</sub>
- Silification with the base surface
- No significant tensions during the drying process
- Non-film forming
- Non-flammable

#### PRODUCT DATA

##### Basic information

|                             |   |
|-----------------------------|---|
| Appearance                  | Liquid compound in 200 colour tones   |
| Packing                     | 25 kg bucket / 400 kg (16x25 kg) on pallet<br>5 kg bucket / 240 kg (48x5 kg) on pallet  |
| Storage and expiration date | 12 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions. Date of production is printed on packaging. |

##### Technical data

|                 |   |
|-----------------|---|
| Type of product | Potassium silicate, mineral fillers, pigments, additives, water |
| Density         | approx. 1.60 kg/dm <sup>3</sup>                                 |
| Solids content  | approx. 65 %  |
| pH value        | 12  |
| μ value         | approx. 30  |

#### SYSTEM DATA

##### System composition

Mineral fillers and bonding agents, silicates, pigments, additives, water

| INSTRUCTIONS FOR USE   |  |
|--|--|
| Consumption  | approx. 0.40 kg/m <sup>2</sup> for 1 coat of paint   |
| Base   | The examination of the plaster base must be performed according to ÖNORMs (Austrian standards) B 2230 and B 3346. The base surface must satisfy the following requirements: clean, dry, free of frost, free of dust, not water-repellent, free of efflorescence, supporting and free of loose parts.<br>Suitable on:<br>- Lime/cement and cement plasters spread thin<br>- Concrete and other mineral base surfaces<br>- Mineral and silicate paint coats with good adhesion properties.<br>Conditional suitability on (test on trial surfaces!):<br>- Lime/gypsum, gypsum/lime and gypsum plasters<br>- Lime finishes and whitewash coats (always observe carbonation!)<br>- Sandwich type plaster boards (Baumit waterproofing primer)<br>Not suitable on:<br>- Plastic and resins, paint and oil films, glue and latex paint  |
| Base preparation   | - Mechanically remove chalking or sanding surfaces or consolidate if applicable (plaster consolidation agent, resting period: min. 14 days!)<br>- Remove forming oil residues on concrete with hot steam or commercially available special forming oil removers.<br>- Surfaces with dirt/contamination and/or algae growth: mechanically clean or treat with hot vapour or special agent<br>- Weathered mineral paint with bad adhesion properties: remove mechanically<br>- Damaged or cracked surfaces: perform structurally appropriate repair with stopper   |
| Mix ratio  | Kemacolor S is ready-to-use compound.  |
| Mix time   | Mix KEMACOLOR S paint thoroughly before application.   |
| Mix tool   | For mixing use a electric stirrer.   |
| Installation   | The appropriately pre-treated base surface must be cured and dry. Prime the entire area evenly with Kemacolor S diluted with 20% water. After priming, wait at least 12 hours or more depending on the weather and then brush or roll on one to two coats of Kemacolor S paint (undiluted or diluted with max. 10% of water). Allow each coat to dry 12 hours before applying the next!  |
| Structure of coats   | - 1 x Kemacolor S paint diluted with 20% clean water (fully covering)<br>- 1 x Kemacolor S paint undiluted or diluted with max. 10% clean water  |
| Tool   | Kemacolor S paint can be rolled or brushed on.   |
| Cleaning of tool   | Clean tools immediately after the use before adhesive hardens. Hardened material on tools can only be removed mechanically.  |
| LIMITATIONS  |  |
| Base temperature   | +8°C min./ +30°C max.  |
| Air temperature  | +8°C min./ +30°C max.  |
| Material temperature   | +8°C min./ +30°C max.  |
| Warnings   | <ul style="list-style-type: none"> <li>The air, material and base temperature during processing and binding must exceed +8°C. Protect facade against direct solar irradiation, rain or strong wind (for instance with scaffolding netting).</li> <li>High relative humidity and low temperatures (for example in late autumn) can prolong the drying time considerably and cause irregular colour changes.</li> <li>The development of the colour tone can be greatly influenced by the conditions of the base, the temperature and the air humidity.</li> <li>A uniform colour appearance can only be guaranteed if the products all come from a single batch.</li> <li>To avoid colour deviations, try to order the material required for the entire object all at once so it can all be produced in one batch. Sub-deliveries can naturally also be made.</li> <li>If used on thermal insulating composite systems, the brightness reference value must not be lower than 30.</li> <li>Do not mix with other coating substances.</li> </ul> |
| <b>Recommendation: Remains of the unhardened/unset material have to be removed in accordance with the legislation.</b>   |  |
| <b>Data source: All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.</b>  |  |
| <b>Local restrictions: Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.</b>   |  |
| SAFETY DATA  |  |
| Protect your eyes and skin as well as the surroundings of the surfaces to be coated, in particular glass, ceramic, clinker, natural stone, paint and metal surfaces. If splashes occur, remove them by rinsing the affected area with lots of water. Do not wait until the finish has dried and cured.   |  |
| OTHER INFORMATION  |  |
| Quality assurance:   | Internal quality assurance is provided by our factory laboratories. Our system of regular production checks is externally controlled by an approved institute.   |
| LEGAL BASE   |  |
| Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, |  |

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