



Alsicolor Silitec

Neuartige Dispersionsilikatfarbe mit Nanotechnologie

Alsicolor Silitec: Fassadenfarbe für hoch wasserdampfdurchlässige mineralische und silikatische Strukturputze. **Verarbeitungs-temperatur:** Während der Verarbeitung und Trocknung dürfen Temperaturen von +8 °C nicht unterschritten werden. **Lagerung:** Frostgeschützt, haltbar in original verschlossener Verpackung mindestens 1 Jahr ab Herstellungsdatum. **VOC-Angaben:** EU-Grenzwert für das VOC-Gehalt dieses Produktes (Kategorie A1+): 40 g/l (2010). Dieses Produkt enthält max. 1 g/l VOC. **Sicherheitsbewertung:** R 52/53 Schädlich für Wasserorganismen, kann in flüssigem Zustand langfristig schädliche Wirkung haben. S 2 Darf nicht in die Hände von Kindern gelangen. S 28 Bei Berührung mit der Haut sofort abwaschen mit viel Wasser und Seife. S 29 Nicht in die Kanalisation, Gewässer oder ins Freie ins Gießen lassen. **Weitere Informationen siehe Produkt- und Sicherheitsdatenblatt!**

Alsicolor Silitec: Silicate emulsion for mineral substrates. **Application temperature:** During application and drying, temperatures must not fall below +8 °C. **Storage:** Cool, frost-protected, storable in original sealed container for approx. 1 year after manufacturing. **VOC value:** EU limit value for the VOC content of this product (category A1+): 40 g/l (2010). This product contains 1 g/l VOC max. **Safety precautions:** R 52/53 Toxic to aquatic organisms, may cause longterm adverse effects in the aquatic environment. S 2 Keep away from children. S 28 In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. S 28 After contact with skin wash immediately with plenty of soap and water. S 29 Keep away from sewerage. For further information, see technical data sheet and safety data sheet!

Alsicolor Silitec: Peinture de revêtement pour RME et enduits de finition à base de silicate hautement perméable à la vapeur. **Température d'application:** La température ne doit pas descendre en dessous de +8 °C pendant l'application et le séchage. **Stockage:** Au frais, hors gel, se conserve au moins un an dans son emballage d'origine non entamé (Date de production). **VOC:** Teneur maximale en COV en UE pour ce produit (catégorie A1+): max. 40 g/l (2010). Teneur en COV du produit: max. 1 g/l. **Consignes de sécurité:** R 52/53 Nocif pour les organismes aquatiques, peut provoquer des effets néfastes à long terme. S 2 Conserver hors de portée des enfants. S 28 En cas de contact avec les yeux, rincer immédiatement à grande eau et consulter un médecin. S 28 En cas de contact avec la peau, nettoyer immédiatement à grande eau et au savon. S 29 Ne pas verser dans la canalisation, les eaux ou la terre. **Pour toute autre information consulter la fiche technique et la fiche de données de sécurité!**



Date | Datum | Date | Charge-No. | Batch No. | n° de lot | Art.-No. | No. | nr art | Farbe | Colour | Teinte | Inhalt | Content

FASSADENFARBE

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Information Silitec & Thermobalance

Alsicolor Silitec

Sol silicate facade paint for mineral and organic substrates.



AREAS OF APPLICATION

Dispersion silicate facade paint according to DIN 18363 sec. 2.4.1 for mineral and organic bound substrates. Natural algae and fungi prevention due to optimised moisture balance (Hydrobalance® effect).

PRODUCT PROPERTIES

- Natural protection against microbial infestation (e.g. algae and fungi) due to Hydrobalance® effect
- Without biocides for film preservation
- High degree of alkali strength
- Extremely low soiling tendency due to sol silicate technology
- Reduction of potassium carbonate efflorescence by using high quality lithium waterglass
- Excellent non-chalking properties
- Photocatalytically active
- Highly water-vapour permeable
- Highly water-repellent
- Mineral matt
- Airless spraying possible
- Excellent adhesion to mineral substrates and old matt dispersion paint coats
- Climate-neutral production

TECHNICAL DATA

| | |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Binder base | Sol silicate (colloidal silica + lithium waterglass) (plus organic percentage < 5%) |
| Classification in acc. with BFS data sheet 26: | Class A Pigment group 1 (for all colours in the alsecco Creativ-Color-System 2.0 marked with *) Pigment group 2 or 3 (for colours in the alsecco Creativ-Color-System 2.0 not marked with *, classification upon request) |
| Specific gravity | approx. 1,44 g/cm ³ |
| Diffusion-equivalent air-layer thickness | s _d < 0,01 m according to DIN EN ISO 7783 class V ₁ (high) according to DIN EN 1062 |



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| Water permeability | $w \leq 0,1 \text{ kg}/(\text{m}^2\text{h}^{1/2})$ according to DIN EN 1062 Class W ₃ (low) according to DIN EN 1062 |
| Fire behavior | A2-s1, d0 according to DIN EN 13501 |
| Radiancegrade | Matt, G3 according to DIN EN 1062 |
| Dry layer thickness | 100 - 200 µm, Class E3 according to DIN EN 1062 |
| Particle size | < 100 µm, S1, fine according to DIN EN 1062 |
| VOC value | EU limit value for the VOC content of this product (cat. A/c): 40 g/l (2010). This product contains < 10 g/l VOC. |

APPLICATION INSTRUCTIONS

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| Preparation | Homogenise the material prior to application. |
| Substrate pre-treatment | All substrates must be dry, stable, clean and free of any residue, which can reduce adhesiveness. Prime highly absorbent substrates, which are to be reinforced, with impregnating primer Si or Hydro penetrating primer. |
| Mixing | Ready to use If necessary, adjust to a workable consistency with a max. of 5 % water. |
| Application | Apply Alsicolor Silitec in two steps by brushing, rolling or spraying. Apply the material wet-on-wet, to avoid seams. Can be pigmented up to a light reflectance value of ≥ 20 ; use Alsicolor Silitec Thermobalance for darker colours. |
| Consumption | approx. 125 - 150 ml per coat per m ² Determine the precise material requirements by means of a trial coating on the object. |
| Information about the weather | There cannot be temperatures below + 8 °C during application and drying. Do not apply in direct sunlight. |
| Drying time | approx. 12 hours Dependent on temperature and relative humidity. |
| Cleaning of tools | In a fresh state with water. |
| Application by machine | Airless spraying application: Spraying angle: 50°; nozzle: 0.023 - 0.027" spray pressure: 150 - 180 bars; stir and sieve the paint well for airless spraying applications. Furthermore, please request special information regarding machine processing. |

STORAGE

Shelf life in original sealed packaging of at least 1 year when kept cool and protected against frost.

PACKAGING INFORMATION

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|----------------|------------------------|
| Colour | White and pigmented. |
| Packaging unit | PP bucket approx. 15 l |

OTHER INFORMATION**Note on application:**

Stains from copper components can result in brown colouring. Therefore, copper surfaces must be protected against oxidation.

This product is devised on a high quality level. Nevertheless, microbial infestation cannot be completely ruled out in the case of high biogenic potential. In this case, please consult a professional.

If dark colours have been applied, mechanical stress can cause lighter streaks to appear on the surface (writing effect). This is a product-specific characteristic (common to all matt façade paints) and does not have any bearing on the quality and functionality of the product.

If the substrate is dense and cool or if the drying process is delayed due to adverse weather conditions, the effect of moisture (rain, dew, mist) can cause additives to rise to the surface of the coating. The effect is dependent on the intensity of the colour. These additives are water-soluble and are automatically removed with sufficient water, e. g. in the course of further weather. This does not impair the quality of the dried coating.

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| Information on safety | The information provided in the current safety data sheet applies. |
| Transportation | Not a hazardous material |
| Giscode | M-SK01 1 K-silicate paints |

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.



FASSADENKOMPETENZ

Alsicolor Silitec Thermobalance

Sol silicate facade paint with intelligent temperature regulation



AREAS OF APPLICATION

Dispersion silicate facade paint according to DIN 18363 sec. 2.4.1 for mineral and organic bound substrates. Natural algae and fungi prevention due to optimised moisture balance (Hydrobalance® effect). Light colouring causes a more intense heating of the surface in sunlight and leads to an accelerated drying process after wetting (thermobalance effect).

PRODUCT PROPERTIES

- Temperature control tested by iLF Magdeburg (test report no. 160240)
- Colours with HBW
- Colours with HBW > 50 with solar absorbing properties for increased heating up and quicker drying brighter surfaces in sunlight (thermobalance effect)
- High level of natural protection against microbial infestation (e.g. algae and fungi) due to Hydrobalance® effect and intelligent temperature control
- Without biocides for film preservation
- High degree of alkali strength
- Extremely low soiling tendency due to sol silicate technology
- Reduction of potassium carbonate efflorescence by using high quality lithium waterglass
- Excellent non-chalking properties
- Photocatalytically active
- Highly water-vapour permeable
- Highly water-repellent
- Mineral matt
- Airless spraying possible
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| Specific gravity | approx. 1,44 g/cm ³ |
| Diffusion-equivalent air-layer thickness | s _d < 0,01 m according to DIN EN ISO 7783 class V ₁ (high) according to DIN EN 1062 |
| Water permeability | w ≤ 0,1 kg/(m ² h ^{1/2}) according to DIN EN 1062 Class W ₃ (low) according to DIN EN 1062 |
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