

TECHNICAL DATA SHEET No. 459

Premium Fassadenfarbe

with Clean-Effekt



Colour matching with **einZAmix**



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| Type of material | high-quality exterior paint with Clean-effect, matt |
| Application purpose | for weather resistant exterior coatings according to VOB DIN 18 363 with which an especially durable keep-clean-effect occurs by a silicate net configuration. |
| Colour shading | white as well as a range of colour shades obtained by using einZA mix tinting system |
| Density | approx. 1.480 (standard white) |
| Binder basis | viscoelastic organic polymer |
| Properties | alkali resistant, very good adhesive, very good hiding power of corner and round ends of plaster grains; especially resistant coating, water vapour permeable; the silicate net configuration reduces the thermo plasticity of the organic polymer, results in a matt drying and increases the keep-clean-effect of the facade surface. Easy to process, does not drip or splash. With formula H against an early virescence on facades. |
| Effectiveness | einZA Premium Fassadenfarbe has been formulated in a way that due to a little mineral particle surplus an even but rough surface structure will be formed which, being a silicate net, will cause a sheeting effect of the water drop and therefore accelerate the drying of the façade surface. einZA Premium Fassadenfarbe forms coating layers with mineral character because of the silicate net configuration and an even micro-rough surface resulting in a high resistance and clean-keeping-effect (Clean-effect). |
| Consumption | approx. 120 - 150 ml/m ² per coating on even surfaces. Consumption depends on the surface and has to be determined by a trial coat at the object. |
| Surfaces | suitable for all solid, clean and dry old and new plasters (mortar group II and III), thermal insulation composite system (EIFS), concrete of all sorts conforming to standard, brickwork. |
| Preparation of surfaces | The surface has to be clean, dry and stable. It has to be prepared according to the known rules for the application of emulsion paints. Especially strongly absorbent as well as crumbly surfaces have to be prepared by priming. Old coatings have to be tested for their adhesion. Strongly absorbent or crumbly surfaces have to be pre-treated with einZA Aqua-Tiefgrund or with einZA Hydrosol Tiefgrund. Old weathered coatings still solid have to be primed with einZA Elastic-Grund. After a corresponding mechanical preparation this primer is "welding" the substrate and the remaining parts of the coat so that the surface gets solid and secure for being coated. Dilution with einZA Universal-Nitroverdünnung depending on the absorbency of the surface. Gloss formation has to be avoided. Please refer to the technical data sheets for einZA primers. |

P.T.O.

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| Coating structure | One intermediate coat with einzA Premium Fassadenfarbe diluted up to 5 % with water. One final coat with einzA Premium Fassadenfarbe as delivered. | | | | | | | | |
| Applying technique | By rolling on, brushing on or by using the airless spraying method. Spraying with airless units: Depending on the spraying model undiluted or diluted up to approx. 10 % with water. Nozzle size: 0.43 - 0.58 mm or 0.017 - 0.023", filter: 60 mesh | | | | | | | | |
| Physical data | <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">water absorption coefficient reg. DIN EN 1062-3:</td> <td>w = 0.02 kg/m² h^{0.5}</td> </tr> <tr> <td>(standard / white) capillary water absorption reg. DIN 1062-3:</td> <td>W₂₄ = 0.10 kg/m² 24h</td> </tr> <tr> <td>vapour resistance reg. DIN EN ISO 7783-2:</td> <td>sd = 0.30 m</td> </tr> <tr> <td>vapour diffusion resistance factor wet-on-wet method (rel. humidity from 100 - 50 %)</td> <td>μ = 2.600</td> </tr> </table> <p>Condition: 400 g/m² applied quantity = 0.000115 dry coat thickness (s), expressed in metre m Applied formular: sd = μ s (m)</p> | water absorption coefficient reg. DIN EN 1062-3: | w = 0.02 kg/m ² h ^{0.5} | (standard / white) capillary water absorption reg. DIN 1062-3: | W ₂₄ = 0.10 kg/m ² 24h | vapour resistance reg. DIN EN ISO 7783-2: | sd = 0.30 m | vapour diffusion resistance factor wet-on-wet method (rel. humidity from 100 - 50 %) | μ = 2.600 |
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| vapour diffusion resistance factor wet-on-wet method (rel. humidity from 100 - 50 %) | μ = 2.600 | | | | | | | | |
| Processing temperature | Air and object temperature not below +5 °C. | | | | | | | | |
| Processing guidelines | <p>During cold and damp seasons water dilutable components from the not yet dried coating could dissolve out relative shortly after application due to the interaction of high air humidity, mist or rain and temperature reductions (especially during cool and wet evening and morning hours). These are for example tensides, emulsifiers, protective colloids or other additives which are required in the coating to gain certain quality characteristics. If such stains occur, which mostly appear as sticky, glossy spots, the areas should not be reworked directly. The water dilutable stains will be washed off automatically by further humidity stress (for example after several heavy rainfalls). If a direct rework will be made the strains have to be washed off thoroughly with water before a further coating will be applied.</p> <p>This phenomenon which only occurs in case of unfavorable weather conditions is state-of-the-art and unavoidable. It is a temporary visual defect which has no influence on the protective function of the coating.</p> | | | | | | | | |
| Tinting | with the einzA mix tinting system | | | | | | | | |
| Cleaning of tools | immediately after use with water | | | | | | | | |
| Storage | cool but protected against frost in closed original containers | | | | | | | | |
| Disposal | for recycling only use containers being completely empty | | | | | | | | |
| Package sizes | standard white: 2.5 l - 5 l - 12.5 l einzA mix: 2 l - 6 l - 12.5 l | | | | | | | | |
| Notice | Opened containers or diluted material has to be used at short notice ! Do not store opened containers for a long time as the material contains preservatives being environmentally sound. | | | | | | | | |

VOC-content regarding enclosure II of the VOC guideline 2004/42/EG

VOC limit value enclosure II A (sub-category c) - Wb: max. 40 g/l reg. level II (2010)
VOC-content of einzA (mix) Premium Fassadenfarbe: < 30 g/l

Security advice and labelling

The product is subject to the Ordinance on Hazardous Substances.

All necessary advices are included in the Safety Data Sheet according to the CLP regulation (GHS) corresponding the regulation (EG) no. 1272/2008. At any time available at www.einzA.com or to be requested by sdb@einzA.com.

Labeling notes on the container labels have to be considered !

The previous information has been conscientiously compiled according to the present state of knowledge of test technology and should serve as a guideline. Due to the multitude of uses and working methods, it is non-binding, does not establish any contractual legal relationship and does not release the consumer from his own responsibility of checking our products himself. Otherwise, our conditions of delivery and payment apply.

Issued 09/2020; with this, all previous specification sheets are invalid.