

TECHNICAL DATA SHEET No. 347

elastodur Fassadenfarbe



Type of material	crack filling, UV cross linking exterior paint system, silky-matt
Application purpose	<ol style="list-style-type: none"> 1. Elastic facade coating on plasters, concrete, brickwork with the requirement for elasticity and water resistance. 2. Intermediate and final coats with the einZA elastodur-System. 3. As embedding material for reinforcement fabric. 4. Carbonation brake for the protection of concrete surfaces
Colour shading	white as well as a range of colour shades obtained by using einZA mix paint mixing system
Density	approx. 1.434 (standard white)
Binder basis	cold elastic polymer
Gloss level	silky-matt
Properties	<p>einZA elastodur Fassadenfarbe is the prototype of a new generation of crack filling systems. As one-pot-system einZA elastodur Fassadenfarbe takes over the function of a floating layer, an embedding material for fabric and top coats. The crack groups (RG A, B and C) mentioned in the BFS data sheet no. 19 can be filled with einZA elastodur Fassadenfarbe. Besides an adequate tensile strength a high extensibility especially in case of minus temperatures is requested. einZA elastodur Fassadenfarbe meets these conditions. The film reveals excellent recovery properties. The primarily surface tack is compensated by UV cross linking. einZA elastodur Fassadenfarbe is weatherproof, rainproof, has a minimal capillary water absorption, sufficient water vapour permeability, is formaldehyde-free and alkali resistant.</p> <p>With formula H against dirt and virescence on facades.</p>
Compliance	according to DIN 53 122 and the Engelfried test method einZA elastodur Fassadenfarbe is classified by the iLF Magdeburg with the compliance 1-009/97 as coating for the protection of concrete
Consumption	<p>Minimum consumption 500 ml/m² for two coatings on even surfaces.</p> <p>Consumption depends on the surface and has to be determined by a trial coat at the object.</p>

P.T.O. !

Surfaces	suitable for all solid, clean and dry new and old exterior plasters, furthermore for concrete, sand-lime brick, wall construction panels, fibre cement and brickwork. Using thick films, for example einzA elastodur Fassadenfarbe, reduces the gas permeability. Therefore crack filling organic systems may not be used on PlA, PlB air hardening lime and water lime mortar and PlC hydraulic lime mortar. The plaster mortar must have a tensile strength of 2.5 N/mm ² (DIN 18 555). A reliable test method has not been found yet.
Preparation of surfaces	The surface has to be clean, dry and stable and 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 stability and adhesion. Strongly absorbent or crumbly surfaces have to be pre-treated with einzA Aqua-Tiefgrund. Gloss formation has to be avoided. An additional hydrophobicity (beforehand) with einzA silicon Imprägnierung, see technical data sheet, is recommended. Old weathered coatings still solid have to be primed with einzA Elastic-Grund. After a corresponding mechanical preparation (for example acid washing, scratching, brushing etc.), 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-Nitro-verdünnung depending on the absorbency of the surface. Gloss formation has to be avoided. Please refer to the technical data sheets for einzA primers.
Coating structure	<p>1. <i>On surfaces with crack formation:</i> (System structures see leaflet einzA elastodur System) Pre-treatment in accordance with the technical data sheet for the einzA elastodur System, einzA elastodur Fassadenfarbe as primer, intermediate and final coating.</p> <p>2. <i>Facade coatings:</i> Intermediate and final coat undiluted.</p>
Applying technique	einzA elastodur Fassadenfarbe is ready-to-use. Application by rolling or brushing on. Please take care that the material is applied saturated and not rolled apart too extensively. The mentioned consumption has to be reached to ensure a crack resistant layer. Each coating must dry for 12 - 24 hours.
Physical data (standard / white)	<p>vapour diffusion resistance factor, wet-on-wet method (rel. humidity from 100 - 50 %) $\mu = 800$ water vapour resistance reg. DIN 52 615: $sd = 0.240$ m Applied formula: $sd = \mu s$ (m) Condition: 500 ml (700 g)/m² applied quantity = 0.000300 dry coat thickness (s), expressed in metre m water absorption coefficient reg. DIN 52 617: $w = 0.020$ kg/m² h^{0.5} capillary water absorption reg. DIN 52 617: $W_{24} = 0.100$ kg/m² 24h</p>
Further notices	<p>Parts of facades which are exposed to higher water vapour pressure on the reverse side, due to damp rooms without vapour barrier for example, should not be coated with einzA elastodur Fassadenfarbe.</p> <p>Reinforcement coatings have an appropriately higher vapour resistance. Therefore, an ingress of water from the outside behind the coating should be avoided. It is recommended to coat directly connected fair faced masonry like plinth, door or window frames made of clinker, sand or lime sand brick colourless with einzA silicon Imprägnierung water-repellent. This prevents the transportation of water behind the paint system. At the same time a quick pollution of the fair faced masonry and the growth of moss and algae will be avoided.</p> <p>Contact joints between different materials like for example coated wall areas and wood panelling should be sealed with an elastic joint sealing compound to prevent the ingress of water.</p>
Processing temperature	Air and object temperature not below +5 °C.

P.T.O. !

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 stains 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	tinted with the einZA mix paint mixing 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 12,5 l einZA mix 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) elastodur Fassadenfarbe: < 30 g/l

Security advice and labelling

The product is subject to the Ordinance on Hazardous Substance.

All necessary indications are contained in the Material Data Sheet regarding CLP Regulation (GHS) regarding Regulation (EC) 1272/2008. Available at www.einZA.com at any time or to be requested using sdb@einZA.com.

Labellings on the packaging 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.