

TECHNICAL DATA SHEET No. 305



Novacryl

mit Formel H



Colour matching with **einZAmix**

Type of material	high-quality 100% pure acrylic resin facade paint, silky-matt
Field of application	<ol style="list-style-type: none"> 1. For weather resistant coatings outside according to VOB DIN 18 363. 2. For renovation of elastic and weathered coatings and crack filling coating systems. 3. Carbonation brake for the protection of surfaces of concrete.
Colour	white, as well as many colours through the einZA mix colour-mix-system
Adhesion basis	pure acrylic resin emulsion
Density	Appr. 1,427 (Standard white)
Properties	alkali resistant, well adhesive and with a perfect hiding power. Good hiding power on edges and plaster grain; particularly resistant coat, water vapour permeable, easily to be kept clean, water repellent. Can be processed very easily, does not drip and splash.
Check character	according to DIN 53 122 and the Engelfried-test method einZA Novacryl is classified by the ILF-Magdeburg with the check character 1-008/97 as coating for the protection of concrete.
Consumption	approx. 140 - 170 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.
Substrates	Suitable for all clean, dry and stable old and new plaster, all sorts of concrete, brickwork, wall-panels.
Preparation of substrates	The substrate must be clean, dry and stable and has to be prepared according to the known coating instructions for emulsion paints. Especially strongly absorbent substrates as well as those with loose surfaces must be prepared by priming. Old paint coats have to be controlled for their stability and adhesion. Strongly absorbent substrates or crumbly ones have to be pretreated using the primers einZA Aqua-Tiefgrund (water-thinnable) or einZA Tiefgrund. As the latter one is characterized by an elevated penetration depth, substrates with loose surfaces have to be primed several times using the wet-on-wet method in order to obtain an efficient consolidation even on the surface. Old paint coats having been disintegrated from the weather but still being solid have to be primed using the primer einZA Elastic-Grund. After a corresponding mechanical preparation this primer is "welding" the substrate and remaining parts of the paint coat so that the surface gets solid and suited for being coated. Dependent on the absorbance of the substrate, dilute with the nitro-thinner einZA Universal-Nitroverdünnung. Avoid that the surface gets glossy. Please refer to the technical specification sheets concerning einZA Grundierungen (primers).

P.T.O.!

Coating structure	intermediate coat with einzA Novacryl diluted with water up to 10 %. Final coat with einzA Novacryl undiluted or diluted with water up to 5 %.								
Coating technique	By rolling on, brushing on or by using the airless spraying method. Spraying with airless units: Depending on the type of spraying unit undiluted or diluted with water up to appr. 10 %. Nozzle size 0,43 - 0,58 mm or 0017 - 0,023". Filter: 60 mesh.								
Physical data	<table border="0"> <tr> <td>Coefficient of water absorptance according to DIN 52 617:</td> <td>$w = 0,067 \text{ kg/m}^2 \text{ h}^{0,5}$</td> </tr> <tr> <td>Capillary water absorptance according to DIN 52617:</td> <td>$W_{24} = 0,327 \text{ kg/m}^2 \text{ 24h}$</td> </tr> <tr> <td>Water vapour resistance according to DIN 52615</td> <td>$sd = 0,297 \text{ m}$</td> </tr> <tr> <td>Coefficient of resistance to water vapour diffusion, wet-on-wet method (rel. humidity from 100 - 50 %)</td> <td>$\mu = 1350$</td> </tr> </table> <p>Prerequisite: 600 g/m² laid on quantity = 0,000220 dry coat thickness (s), expressed in metre (m) Applied formula: $sd = \mu s$ (m)</p>	Coefficient of water absorptance according to DIN 52 617:	$w = 0,067 \text{ kg/m}^2 \text{ h}^{0,5}$	Capillary water absorptance according to DIN 52617:	$W_{24} = 0,327 \text{ kg/m}^2 \text{ 24h}$	Water vapour resistance according to DIN 52615	$sd = 0,297 \text{ m}$	Coefficient of resistance to water vapour diffusion, wet-on-wet method (rel. humidity from 100 - 50 %)	$\mu = 1350$
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Drying time	Between priming and final coat a drying time of at least 12 hours has to be adhere.								
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>								
Colour matching	use tinting paints einzA Voll- und Abtönfarben or the colour matching system einzA mix								
Cleaning of tools	Immediately after use with water.								
Storage	Cool but protected against frost in original containers.								
Disposal	For recycling do only use containers being completely empty								
Packaging size	<table border="0"> <tr> <td>Standard (white):</td> <td>5 l - 12,5 l</td> </tr> <tr> <td>einzA mix</td> <td>2 l - 6 l - 12,5 l.</td> </tr> </table>	Standard (white):	5 l - 12,5 l	einzA mix	2 l - 6 l - 12,5 l.				
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Indication	<p>Process with a short period the diluted material as well as opened containers.</p> <p>Do not store for a long time opened containers as the material contains preservatives being ecologically beneficial.</p>								
VOC-content regarding enclosure II of the VOC guideline 2004/42/EG	<p>VOC limit value enclosure II A (sub-category c)</p> <p>Wb: max. 40 g/l reg. level II (2010)</p> <p>VOC-content of einzA (mix) Novacryl: < 30 g/l</p>								

P.T.O. to page 3 !

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.