

TECHNICAL DATA SHEET No.077A

# Holz-Color Wetterschutz



Colour matching **einZAmix**

## I. Product

einZA Holz-Color is a water-dilutable, weatherproof, covering weather protection paint for wood outside, mineral surfaces, fibre cement, zinc, galvanized construction elements and aluminium. With formula H against dirt and vireescence on wooden surfaces outside like for example skeleton framing, wood panelling, roof soffit etc. einZA Holz-Color is silk-glossy, permanently elastic, moisture regulating, colour resistant and very easy to apply.

Type of material	water-dilutable weather protection paint for outside
Application purpose	weatherproof, silk-glossy coatings especially for wood but also suitable for plaster, brickwork, cement, fibre cement, zinc plate resp. galvanized iron and light metal
Colour shades	white and selected Bunt-colours according to colour-chart as well as a range of colour shades obtained by using einZA mix paint mixing system
Gloss level	silk-glossy
Specific weight	approx. 1.100 - 1.300 g/cm <sup>3</sup> = 1.100 - 1.300 g/l
Binder basis	acrylic copolymer emulsion paint, water-dilutable
Pigment basis	lightfast colour pigments, lead- and chromate-free
Package sizes	standard: 10 l - 2.5 l - 750 ml einZA mix: 3.000 ml - 1.000 ml

## II. Properties and working instructions:

Light resistance	very good in all colour shades as well as in case of lightening with white All colour shades can be mixed together
Chemical resistance	resistant against industrial atmospheres
Weatherproof	weatherproof according to VOB, part C, no. 3.1.10.3, DIN 18 363
Adhesion	very good on appropriate, stable surfaces
Elasticity	the dried film is viscoplastic and has a good cold-breaking-strength
Scrub resistance	according to DIN 53 778 resp. wet abrasion resistance class 2 according to DIN EN 13 300
Dilution	water
Brushing and rolling	undiluted
Airless spraying	suitable for piston and diaphragm pistols

P.T.O.!

Drying times (20 °C, 65 - 75 % rel. air humidity, 90 µm wet film)	non-adhesive after approx. 1 - 2 hours drying time will extend in case of cool and damp weather
Spreading rate	resp. 10 - 12 m <sup>2</sup> /l = 90 - 100 ml/m <sup>2</sup> . The consumption may increase by up to 50 % when applying on rough, strongly absorbent surfaces-
Recoatable	after approx. 2 - 3 hours. Do not apply below +5 °C (air and object temperature)
Tools	Roller, brushes, spraying units
Cleaning of tools	immediately after use with water and soap
Storage	protected against frost, close opened container tight

#### Physical data (standard / colour: white)

vapour diffusion resistance factor, wet-on-wet method (rel. humidity from 100 - 50 %)  
 $\mu = 4250$  water vapour resistance reg. DIN 52 615:  $sd = 0.15$  (m)  
 Applied formula:  $sd = \mu \cdot s$  (m)  
 Condition:  
 100 ml/m<sup>2</sup> applied quantity = 0.000037 dry coat thickness (s), expressed in metre (m)  
 water absorption coefficient reg. DIN 52 617:  $w = 0.080$  kg/m<sup>2</sup> h<sup>0.5</sup>

#### Processing guidelines

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.

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.

### III. Coating and/or applying technique

einZA Holz-Color is suitable for coatings on old, new, dry and moist wood; for wood panellings, framehouses, fences, shingles, shutters and skeleton framing except windows. With formula H against dirt and virescence for wooden surfaces outside like for example skeleton framing, wood panellings, roof soffits etc.

Suitable as well for old concrete, brickwork, all types of plaster, fibre cement, zinc and light metal.

#### A. Rough wooden surfaces

Impregnation of softwood lumber and coniferous wood outside with einZA Bläueschutz W.

Followed by two coatings with einZA Holz-Color undiluted.

Blocking of knot and resin spots in the wood with einZA Isoliergrund.

Priming of woods with dyeing ingredients and pressure-treated wood with einZA Aqua-Isogrund 1 - 2 times.

#### B. Wooden surfaces with old coatings

Remove insufficient adhesive coatings down to stable wooden surface.

Impregnation with einZA Bläueschutz W for outside.

Followed by two coatings with einZA Holz-Color undiluted.

Clean thoroughly and sand still stable old coatings.

Then apply one to two coatings with einZA Holz-Color undiluted.

P.T.O.!

#### **C. Coatings on concrete, plaster, brickwork and fibre cement**

Priming of absorbent surfaces with einZA Tiefgrund or einZA Aqua-Tiefgrund.

Followed by two coatings with einZA Holz-Color undiluted.

Highly alkaline surfaces like cement, fresh plaster or fibre cement should first be neutralized (for example fluated) and then primed. Hardening of sanding plasters with einZA Tiefgrund.

For renovation coatings on still solid, stable old coatings prime with einZA Elastic-Grund and continue working with undiluted einZA Holz-Color.

#### **D. Coatings on zinc and light metal**

Thoroughly degrease Zinc, galvanised iron and light metal with ammonia and surfactant (for example Pril) and rinse with clear water. Remove oxide layers mechanically. Coat surfaces pre-treated this way twice with einZA Holz-Color.

### **IV. Security advice and labelling**

Flash point	non-inflammable
Hazardous class to VbF	not applicable

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](http://www.einzA.com) or to be requested by [sdb@einzA.com](mailto:sdb@einzA.com).

Labeling notes on the container labels have to be considered !

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

VOC limit value enclosure II A (sub-category d)  
Wb: max. 130 g/l reg. level II (2010)  
VOC-content of einZA (mix) Holz-Color: < 40 g/l

The details given above have been compiled in accordance with knowledge of state-of-art testing technology and are to be considered as directives. Because of the manifold methods of application and working these are without commitment and give no grounds for any contractual legal relationship and, moreover, do not release the user from testing our products as to their suitability at his own responsibility. In all other respects our general terms of business are valid.

**Issue 07/2021**; as a result of which all previous memorandum sheets become invalid.