

# ESACRYL 122 X

## Characteristics

ESACRYL 122 X is an acrylate resin solution based on the copolymer of butyl methacrylate (PBMA) with methyl acrylate (PMMA) in xylene. It finds a wide range of applications in wood and stone treatment. It is suitable for both professional (restorers) and do-it-yourself use.

## Advantages

- fast drying
- ☐ easy to apply (convenient value  $M_w = 75700$ )
- ☐ dry film characterized with optimum hardness and typical gloss
- ☐ UV stability
- ☐ resistance to weather conditions

## Applications

- Restoration and preservation, work with wood – protection and restoration of historical monuments
- Wood protection and conditioning
- Ceramic and clay protection
- Painting of interlocking pavers and concrete floors
- Mounting of a glass slide and a cover slide used with histological preparations

## **Restoration and preservation, work with wood – protection and restoration of historical monuments**

ESACRYL 122 X is highly suitable for the consolidation (petrification and hardening) of wood surfaces disturbed by woodworms, fungi and molds. The density of the solution depends on the extent of damage. The early stages of damage are treated with thinner solutions. More extensive damage requires thicker solutions. The preparation can be diluted with toluene or xylene. In general the 1:6 ratio is used to obtain smaller concentrations and the 1:2 ratio is used to get thicker solutions. However, a specific ratio always depends on the condition of the object to be restored. The solution should always be tested before application.

Impregnation methods are painting, immersion, injecting at atmospheric pressure or reduced pressure impregnation.

## **Wood protection and conditioning**

**ESACRYL 122 X** can be used to repair wood surfaces in homes, to reinforce old wooden objects and to extend the service life and resistance of new wooden products. It can be applied onto building and wooden structures in homes and gardens – i.e. on rafters, beams, floors, fences, etc. The preparation can be diluted with toluene or xylene at a ratio ranging from 1:2 to 0.5. It is necessary to first test a specific concentration in combination with a material to be hardened. It is recommended to apply the preparation by immersion or by (repeated) painting. The so treated wooden object can then be worked with and applied with top coats.

Zgoraj posredovane informacije in priporočila o namenu in načinu uporabe naših izdelkov so osnovana na našem znanju, laboratorijskih testiranjih ter praktičnih izkušnjah, pridobljenih do sedaj. Zagotavljamo vam konstantno kvaliteto naših proizvodov ter parametre v skladu s tehnično specifikacijo. Naša tehnična svetovalna služba vam je na razpolago. To pa ne odvezuje kupca, da sam preizkusi primernost naših proizvodov za njegov primer uporabe (postopki, materiali). Tak preizkus ponovite tudi ob zamenjavi materiala ali dobavitelja. Ker se naši proizvodi uporabljajo z različnimi materiali ter v menjajočih se pogojih dela, na katere nimamo vpliva, ne moremo sprejeti nobene obveznosti glede zgornjih navedb ali katerihkoli ustnih priporočil.

Die in dieser Druckschrift enthaltenen Angaben beruhen auf unserem derzeitigen Wissens- und Kenntnisstand, sind aber unverbindlich und stellen keine Zusicherung bestimmter Eigenschaften dar. Sie entbinden auch nicht den Verarbeiter von eigenen Prüfungen bezüglich der Verwendbarkeit unserer Produkte für seinen speziellen Einsatzzweck. Schutzrechte Dritter sind gegebenenfalls zu beachten.



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## Impregnation of tiles, interlocking pavers and concrete floors

It is recommended to paint cleaned, ideal tinted interlocking pavers with 15% solution; i.e. to mix **ESACRYL 122 X** and XYLENE at the ratio of 1:1.5. This application yields a glossy surface. Concrete should also be painted with 12-15% solution. Once again, a glossy surface is achieved.

**Packaging:** Canisters: 1kg, 5kg and 10kg Barrels: 180kg

**Storage:** Store in the sealed, original packaging units in a cool, well-ventilated warehouse in accordance with the storage conditions prescribed for flammable liquids of hazard class II.

### Physical-chemical properties:

Form (at 20°C): viscous liquid

Color: colorless to yellowish

Odor (smell): of xylene

Nonvolatile components content (dry matter): 36-40%

Glass transition: approx. 48°C

Density: approx. 0.900 g/cm<sup>3</sup>

Solubility (at 0°C):

- in water: insoluble
- in other solvents: soluble in benzene, toluene, xylene, acetone and ethyl acetate

### Important information with regard to health protection, health, safety and environment:

Flash point: 26.5°C

Ignition point: >470°C

### Stability and reactivity:

Conditions under which the product is stable: Storage at a maximum temperature of 20°C.

Conditions to be avoided: Keep away from direct sunlight and high temperatures.

Hazardous decomposition products: Release of xylene vapors

### The product contains these hazardous components:

Chemical name:	copolymer of butyl methacrylate	xylene	dibenzoyl peroxide with methyl methacrylate
Approx. content in %:	40	60	0.2
CAS No.:	preparation	1330-20-7	94-36-0
ES (EINECS) No.:	preparation	215-535-7	202-327-6
Warning symbol:	Xi	Xn	Xi, E

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