

**SOLAKRYL BMX****Characteristics**

SOLAKRYL BMX is an acrylate resin solution based on the copolymer of butyl methacrylate with methyl acrylate 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.

Applications - Restoration and preservation, work with wood – protection and restoration of historical monuments - Wood protection and conditioning - 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

SOLAKRYL BMX 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

SOLAKRYL BMX 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.

Painting of interlocking pavers and concrete floors

It is recommended to paint cleaned, ideal tinted interlocking pavers with 15% solution; i.e. to mix SOLAKRYL BMX 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.

Characteristics

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.



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SOLAKRYL BMX

General classification of the preparation: Xn R 11-20/21-36/37/38-43

The most serious adverse effects on human health: Solakryl BT 55 may be harmful to health especially due to the content of toluene, a flammable solvent with narcotic effects. Toluene vapors have narcotic effects; depending on the duration of such effects and concentration vapors can cause a headache, nausea, vomiting, impaired balance, and even unconsciousness. Vapors also irritate the mucosa of the respiratory tract and conjunctivas. Chronic organ effects of toluene were not proven.

General information:

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/cm³ *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 (at 0°C): 26.5

Firing point: (at 0°C): >470

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

Overall product classification: Xn R 10-20/21-36/37/38-43

The most dangerous harmful effects on human health connected with the use of substance/product:

Solakryl BMX may be harmful to health mainly due to the presence of xylene, a flammable solvent with narcotic effects. Xylene vapors have narcotic effects and, depending on the time of exposure and concentration, may cause a headache, fatigue, palpitations, shortness of breath, restlessness, vomiting, balance disorders and even unconsciousness. Xylene irritates skin which absorbs it. It may cause chronic fatigue.

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SOLAKRYL BMX*The product contains these hazardous components:*

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

Recommended methods of cleaning and liquidation: Pump over as much product as possible into barrels and remove contaminated soil. Solakryl BMX can be liquidated by incineration in a hazardous waste incinerator that holds an appropriate license.

Manufacturer and supplier

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