TIKKURILA

SOLID LAQ

MATT 2-COMPONENT POLYURETHANE LACQUER FOR CONCRETE FLOORS

DESCRIPTION	Matt water-borne two-component polyurethane lacquer for concrete floors.
RECOMMENDED USES	Suitable for concrete floors on moderate stess. Solid Laq binds dust and leaves the concrete look matt and natural.
PRODUCT FEATURES	Dust binding for concrete floors.Also suitable to be used as a matt topcoat for Solid floor paints. For professional use only.

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

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TECHNICAL DATA

Gloss	Matt.
Coverage	Untreated concrete 7–12 m²/l Top lacquering 10–20 m2/l Practical coverage depends on the porosity and evenness of the substrate.
Can sizes	2.5 l, 9 l
Thinner	Water
Mixing ratio	Solid Laq10 by volume Solid Laq Hardener1 by volume
Application method	Roller or spatula.
Pot-life (+23°C)	2 h
Drying time	Dust dry after 40 minutes. Fully cured after about 1 d. At lower temperatures the curing process will last longer.
Density (kg/l)	1,1 kg/l
Volume solids (%)	40
VOC	VOC 2004/42/EC (cat A/j) 140 g/l (2010) Solid Laq contains VOC < 140 g/l.
Storage	Protect from frost.

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APPLICATION INSTRUCTIONS

Application conditions
The relative humidity of the concrete should not exceed 97%. The temperature of the ambient air, surface or coating should not fall below +10ºC during application or drying. Relative humidity of air should not exceed 90%.

Mixing components
Mix the components separately by machine 1-2 min before adding component B into the A. Add the B-component into the A-component (1:10 by volume) and mix with machine (mixing time 3-5 minutes). Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface, weaken the properties of the coating and risk the success of the application.

Surface preparation
New concrete floor:
Remove the laitance layer from the concrete surface by, for example, surface sanding or hydrochloric acid pickling. Remove laitance dust carefully after sanding.Hydrochloric acid pickling is performed with a diluted solution (1 part concentrated hydrochloric acid, 4 parts water). Rinse the floor with plenty of water. The substrate has to be dry, firm and solid before surface treatment.

Painted concrete floor:
Clean the floor and remove any grease, oil, chemicals and other impurities with Tikkurila Maalipesu cleaning agent. Sand the surface carefully and remove the sanding dust.

Lacquering
Prime with Solid Laq thinned 10-20 % with water. The thinner is added to the ready compound and mixed carefully. Finish with Solid Laq thinned 10-20 % with water.Pour the mixture on the floor and apply thinly by roller or spatula.Note! Add the remaining mixture to the next batch of the product, do not scrape it out of the container onto the floor.

Cleaning of tools
Clean tools with water or Tikkurila Pensselipesu (Tool Cleaner).

Maintenance instructions
The lacquered surface will reach its final wear and chemical resistance approx. 2 weeks after the surface treatment. Avoid cleaning during this time. Clean the surface with a brush, mop or dust cloth. Dirty surfaces can be cleaned with a cleaning tool and a neutral (pH 6–8) washing solution.

Environmental protection and waste disposal
Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.

Health and Safety
The product is not classified as dangerous. Wear protective gloves. Safety data sheet available on request. Contains 1,2-benzisothiazol-3(2H)-one (BIT). May produce an allergic reaction.

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EN 1504-2:2004

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0809	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 Vantaa	
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TIK-A025-2018	
EN 1504-2:2004	
Permeability to CO2	s_D > 50 m
Impact resistance	Class I: ≥ 4 Nm
Capillary absorption and permeability to water	w < 0,1 kg/m² • h0,5
Abrasion resistance	< 3000 mg
Reaction to fire	Bfl-s1
Adhesion strength by pull off test	≥ 2,0 N/mm²
Release of dangerous substances	NPD
Permeability to water vapour	Class I, sD < 5 m
Resistance to severe chemical attack	Class II

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