



TIKKURILA

# NOVOCRYL PINTALAKKA

SOLVENT-FREE METHACRYLIC TOP LACQUER

## DESCRIPTION

Two-component, solvent-free acrylic lacquer.

## RECOMMENDED USES

Old and new concrete floors indoors and outdoors. Applications include: walkways, outdoor terraces and balconies. Can be used on surfaces exposed to heavy stress.

## PRODUCT FEATURES

Used as surface lacquer for Novocryl Massalakka. Creates non-yellowing, flexible and wear-resistant surface. Hardens quickly even at low temperatures.

For professional use only.



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### TECHNICAL DATA

<b>Gloss</b>	Semi-matt. (4/RT classification)
<b>Coverage</b>	0.5-0.6kg/m <sup>2</sup> / treatment time.  1-2 treatment times depending on the desired surface structure.  Spreading rate depends on the smoothness of the surface and the number of layers.
<b>Can sizes</b>	19 kg
<b>Thinner</b>	No need for thinning.
<b>Mixing ratio</b>	Temperature* - The amount of hardener (percentage of weight of the binder) +5°C - 4.5% +10°C - 3.0% +20°C - 2.0% +35°C - 1.0% * Temperature of the binder, air and the floor
<b>Application method</b>	Spatula, roll or brush.
<b>Pot-life (+20°C)</b>	approx. 15min.
<b>Drying time</b>	Approx. 35min. Next treatment after hardening of the previous treatment.
<b>Density (kg/l)</b>	0.95kg/l ready-to-use mixture.
<b>Volume solids (%)</b>	100
<b>VOC</b>	VOC 2004/42/EC (cat A/j) 500g/l (2010) Novocryl Pintalakka: max. VOC < 500g/l
<b>Storage</b>	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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## APPLICATION INSTRUCTIONS

### Application conditions

The relative humidity of the concrete should be less than 97%. During varnishing and drying, the air, the base and the lacquer must be above +5°C and the relative air humidity less than 80%.

### Mixing components

Add the hardening powder to the lacquer at the correct mixing ratio and mix thoroughly (approx. 2 min) with a low speed drill with paint mixer. The amount of mixture is affected by the area to be varnished and the use time of the mixture. Careless mixing or wrong mixing ratio results in uneven hardening, weakening of the properties of the lacquer surface and jeopardizing the success of the work.

### Surface preparation

New concrete: Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust carefully with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.

#### Old concrete floor:

Remove old, flaky paint film by diamond grinding, milling or sandblasting. Choose the method best suited for the premises. Clean the cavities and potholes in the floor up to healthy, clean concrete. Open cracks, eg with an angle grinder. Remove loose material and dust.

### Lacquering

The surface varnishing is performed after the coating has hardened. If the pulping is done by sanding method, all loose sand must be removed before the top varnish. Pour the lacquer mixture on the floor in a line and smooth the surface with a roller or brush, depending on the size and design of the floor.

Note proper amount of hardener. Using too much hardener can cause yellowing and deterioration of lacquer properties. The film thickness of the surface layer must be 0.4 - 0.8mm. Too thick a layer can also cause yellowing.

### Cleaning of tools

Acetone (thinner 006 1500).

### Environmental protection and waste disposal

Avoid spillage into drains, water systems and soil. 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

**Contains:** methyl methacrylate, 1,4-butanediol dimethacrylate. **Danger.** Highly flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapor. Wear protective gloves/clothing and eye/face protection. In case of inadequate ventilation wear respiratory protection. **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation or rash occurs: Get medical attention.



GHS02




GHS07

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EN 13813

	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 VANTAA	
18	
TIK-A013-2018	
EN 13813	
Synthetic resin screed.	
Impact resistance	IR4
Chemical resistance	Class I
Wear resistance to rolling wheel	AR 0,5
Release of corrosive substances	SR
Reaction to fire	Efl
Water permeability	w < 0,1 kg/m <sup>2</sup> •h0,5

Bond strenght B 2,0


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# NOVOCRYL PINTALAKKA

EN 1504-2

	
1119	
Tikkurila Oyj Heidehofintie 2 FI-01300 VANTAA	
18	
TIK-A012-2018	
EN 1504-2	
Product for protection and repair of concrete structures – Coating.	
Permeability to CO <sub>2</sub>	sD > 50 m
Impact resistance	Class I: ≥ 4 Nm
Capillary absorption and permeability to water	w < 0,1 kg/m <sup>2</sup> •h <sub>0,5</sub>
Abrasion resistance	< 3000 mg
Reaction to fire	Efl-s1
Adhesion strength by pull off test	≥ 2,0 N/mm <sup>2</sup>
Release of dangerous substances	NPD
Permeability to water vapour	Class III, sD > 50 m
Resistance to severe chemical attack	Class I

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