



TIKKURILA
NOVOCRYL POHJUSTE

- DESCRIPTION** Two-component, low viscosity solvent-free acrylic primer.
- RECOMMENDED USES** Old and new concrete floors indoors and outdoors.
- PRODUCT FEATURES** Used for Novocryl Massalakka priming and dust binding varnishing. Hardens quickly even at low temperatures.
- For professional use only.





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TECHNICAL DATA

Gloss	Semi-glossy (3/RT classification) Sunlight may affect on the shade and the gloss of the varnish in the long run.
Coverage	Spreading rate for concrete floor is approx.: Priming / dust binding 2–3m ² /kg / treatment Spreading rate depends on the porosity of the painted surface, smoothness and the varnishing method.
Can sizes	18 kg
Thinner	No need for thinning.
Mixing ratio	Temperature* - The amount of hardener (percentage of weight of the binder) +5°C - 6.0% +10°C - 5.0% +15°C - 4.0% +20°C - 3.0% +30°C - 3.0% >35°C - 1.0% * Temperature of the binder, air and the floor
Application method	Spatula, roll or brush.
Pot-life (+20°C)	Approx. 8min.
Drying time	Approx. 30min. Next treatment after hardening of the previous treatment.
Density (kg/l)	1.0kg/l ready-to-use mixture.
Volume solids (%)	100
VOC	VOC 2004/42/EC (cat A/j) 500g/l (2010) Novocryl Pohjuste: max. VOC < 500g/l
Storage	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 primed 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 surface

The concrete adhesive layer is mechanically removed from the surface of the concrete, e.g. by sandblasting or diamond grinding. The best method for removal is chosen according to the space in question. After mechanical cleaning, the cement dust is carefully hoovered or washed off with water. Cement adhesive can also be removed with hydrochloric acid pickling. Pickling is made with diluted hydrochloric acid (1 part strong hydrochloric acid, 4 parts water). The floor is then rinsed with plenty of water and dried well. The base must be dry, hard and solid before surface treatment.

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.

Patching

Patch pot-holes and cracks with a mixture of unthinned Novocryl Massalakka and dry, clean sand. Mixing ratio e.g. 1 part by volume of varnish mixture and 1–2 parts by volume of sand of grain size 0.1–0.6 mm. Sand the patched areas before overcoating, if necessary.

Note! Concrete surface should always be primed before patching.

Priming

Pour the lacquer mixture on the floor and spread with a roller or spatula so that the concrete surface is saturated. If needed, re-treatment is done to provide a non-porous surface. The re-treatment can be done after about 30 minutes.

On fresh varnish lacquer, sprinkle the selected coloured sand so that no excess sand needs to be removed from the hardened primer.

The most usual coloured sand grain sizes: Ø 0.3-0.8mm and 0.7-1.2mm or a mixture of these.

Consumption of the coloured sand approx. 1kg/m² (eg Scanmineral)

Coating

Apply the coating after the primer has hardened. If the primer remains porous, it can cause holes and air bubbles in the coating. Pour the lacquer mixture on the floor and apply with a spatula and roller.

Cleaning of tools

Acetone (thinner 006 1500)

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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, triethylene glycol dimethacrylate, N,N-Bis(2-hydroxypropyl)-p-toluidine. **DANGER.** Highly flammable liquid and vapor. Harmful if swallowed. 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. Contains small amounts of sensitizing substances: triisodecyl phosphite.




GHS02



GHS07

NOVOCRYL POHJUSTE

EN 13813

	
Tikkurila Oyj Heidehofintie 2 FI-01300 VANTAA	
18	
TIK-A009-2018	
EN 13813	
Synthetic resin screed.	
Impact resistance	NPD
Chemical resistance	Class I
Wear resistance to rolling wheel	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}0,5$
Release of corrosive substances	SR
Reaction to fire	Efl

Bond strenght B2,0


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EN 1504-2

	
1119	
Tikkurila Oyj Heidehofintie 2 FI-01300 VANTAA	
18	
TIK-A008-2018	
EN 1504-2	
Product for protection and repair of concrete structures – Coating.	
Permeability to CO ₂	sD > 50 m
Impact resistance	Class I: ≥ 4 Nm
Capillary absorption and permeability to water	w < 0,1 kg/m ² •h _{0,5}
Abrasion resistance	< 3000 mg
Reaction to fire	Efl
Adhesion strength by pull off test	≥ 2,0 N/mm ²
Release of dangerous substances	NPD
Permeability to water vapour	Class II, 5 < sD < 50 m
Resistance to severe chemical attack	Class I

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