TIKKURILA

NOVOFLOOR 2-K ELASTIC COLOR

DESCRIPTION

A solvent free, tintable flexible and weather resistant two-component polyurethane coating.

RECOMMENDED USES

Used for covering floors in balconies, open galleries, etc.

PRODUCT FEATURES

- Excellent UV resistance.
- Withstands mechanical wear and chemical stress.
- Flexible, crack-bridging coating.
- The M1 classification for low-emitting building materials has been granted by the Finnish Building Information Foundation RTS.

NOVOFLOOR 2-K ELASTIC COLOR

TECHNICAL DATA

Base paints	TPA BASE, TPC BASE
Colour Shades	Tikkurila Floor paint, NCS S, RAL Classic. Product belongs to Temaspeed premium tinting system
Gloss	Full gloss.
Coverage	Practical coverage depends on the evenness of the substrate and on the application method. Film thickness 1.0mm coverage approx. 1 m2 per litre
Can sizes	TPA BASE: 10 l TPC BASE: 10 l 20L can for base paint Novofloor 2-K Elastic Color Hardener: 5 l
Mixing ratio	Base 2 parts by volume Novofloor 2-K Elastic Color Hardener 1 part by volume Novofloor 2-K Elastic Color Hardener
Application method	Serrated spatula or adjustable spatula, finish with short-haired roller or spike roller.
Pot-life (+23°C)	30 minutes on substrate, about 20 minutes in the mixing container.
Drying time	Dust dry after 6 hours Light trucking after 24 hours Fully cured after 7 days At lower temperatures the curing process will last longer. To speed up the drying time, Temadur Accelerator can be added to the product according to a separate table (1-5% by volume).
Density (kg/l)	1.55 kg / litre (mixture)
Fire class	Bfl-s1 according to standard EN 13501-1
Volume solids (%)	Approx. 100%
VOC	VOC 2004/42/EC (cat A/j)500 g/l (2010) Novofloor 2-K Elastic Color: max. VOC < 500 g/l

NOVOFLOOR 2-K ELASTIC COLOR

APPLICATION INSTRUCTIONS

Application conditions
The relative humidity of the concrete should not exceed 97%. The residual moisture of the substrate must not exceed 4%. The temperature of the ambient air, surface or coating should not fall below +15ºC during application or drying. Relative humidity of air should not exceed 70%.

Mixing components
First stir base and hardener separately. Mix the correct proportions of base and hardener thoroughly (approx. 2 minutes to get homogenous mixture) by using a low speed industrial hand drill with a paddle. 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: 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 with diamond grinding 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
Novofloor 2-K Primer EP or Novofloor 2-K Primer M1 epoxy varnish and dry, clean sand. Mixing ratio e.g. 1 part by volume of epoxy mixture and 1–2 parts by volume of sand of grain size Ø 0.1–0.6 mm. Grind or sand the patched areas before overcoating.
Note. Thick sand fillings require a longer drying time when using Novofloor 2-K Primer M1 epoxy varnish in the fillings.

Priming
Prime using Novofloor 2-K Primer EP thinned with 30-50% Thinner 1029 or Novofloor 2-K Primer M1 epoxy primed with 25% water. Pour the varnish mixture on the floor and apply so abundantly that the concrete surface becomes saturated. Re-treatment if necessary to obtain a non-porous surface. With Novofloor 2-K Primer EP, the reprocessing can be performed after 2 h by the "wet-on-wet" method. If the primer is left porous, it will cause holes and air bubbles in the finished surface.

Coating
Apply the next coat no earlier than 9 hours after priming.

Pour the mixture on the floor, apply with a serrated steel trowel or adjusting trowel. Ensure the correct layer thickness by observing the consumption of the coating and measuring the film thickness. The recommended layer thickness for balconies is 1.0 mm. When making thicker layers, the drying time of the coating and possible run-off in the direction of the slope must be taken into account. Run-off can be prevented by adding Novofloor Thickener and / or Temadur Accelerator. The surface of the coating should be spiked rolled for about 10–20 minutes after application of the coating. The spike roller smoothes the coating film and removes air bubbles from it.

Cleaning of tools
Novofloor Ohenne

NOVOFLOOR 2-K ELASTIC COLOR

EN 1504-2

CE

0809

Tikkurila Oyj
Heidehofintie 2
FI-01300 VANTAA

21

TIK-A054-2021

EN 1504-2

Product for protection and repair of concrete structures – Coating.

Permeability to CO2	s_D > 50 m
Impact resistance	Class II: ≥ 10 Nm
Capillary absorption and permeability to water	w < 0,1 kg/m² • h0,5
Abrasion resistance	weight loss < 3000 mg
Reaction to fire	Bfl-s1
Behaviour after artificial weathering	no visual defects
Adhesion strength by pull off test	≥ 2,0 N/mm²
Release of dangerous substances	NPD
Permeability to water vapour	Class II, 5 m < sD < 50 m
Resistance to severe chemical attack	Class II