Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

NANTEN PU FLEX SILENT



Product description

2-component, sound-absorbing, self-smoothing and waterproof intermediate layer for Nanten's Decofloor Comfort Plus system. Elastic and very soundproof. Used as part of Nanten's Decofloor Comfort Plus system when you want to improve the sound absorption of the coating.

Footstep sound attenuation*

- 2 mm with a membrane strength of 11 dB
- 4.5 mm with a membrane strength of 16 dB

*Measured as part of the Nanten Decofloor Comfort Plus system

Applications

- Schools, kindergartens
- Offices
- Stores

Instructions

Base requirements and coating conditions

The concrete must have a minimum strength class of C25/30 and wear resistance class 3. The relative humidity of the concrete must be below 90% when priming is done with a polyurethane coating. For epoxy-based primers, see section “Priming Treatment.” The surface temperature must be at least +3°C above the dew point. During application and curing, the temperature of the air, surface, and coating must be above +15°C, and the relative humidity must be below 70%. Ensure the suitability of the coating for the substrate to be treated.

New concrete floor

Cement laitance and any uncured cement must be removed by surface grinding or shot blasting. All loose and adhesion-reducing material must be removed, and the surface must be thoroughly vacuumed to remove all cement dust.

Old concrete floor

Cement laitance and deteriorated concrete must be removed by grinding or shot blasting. All loose and adhesion-reducing material must be removed, and the surface must be thoroughly vacuumed. Dirty floors should be washed and rinsed with a synthetic detergent before any further surface preparation. Any existing old paint film must be completely removed from the substrate.

Priming

Priming is done with Nanten HM Bio Epoxy (for concrete with RH < 95%) or with Nanten M Primer for damp concrete (RH < 98%). Dilution may be used on concrete substrates if necessary. Adequate

Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

ventilation must be provided in the work area. The primer must seal all pores in the concrete to form a dense and continuous film on the surface. Apply a second coat if necessary.

Patching

Small holes and cracks are cleaned and filled with a putty made of, for example, PU Flex Bio Coating and fine filler sand. Larger leveling work can be done using a levelling mortar made of Nanten PU Flex Bio Coating and filler sand (0.1–0.6 mm).

Mixing

Pre-mix Part A and Part B in their own containers. Combine the components in the correct ratio and mix with a low-speed mixer for approximately two minutes, avoiding air entrapment in the mixture. Pour the mixture into a second container, add the required amount of filler sand while mixing, and continue mixing for about one more minute. A double-paddle mixer is recommended for mixing.
Note: Component A separates into layers during storage. Before use, mix Component A thoroughly until completely uniform, then add Component B. Use the entire product at once; do not use in portions.

Mixing ratio

Part A: 5.52 parts by volume (13.8 l)
Part B: 1 part by volume (2.5 l)

Application instructions

If the priming is older than two days, the surface must be roughened by sanding and all sanding dust must be removed. The mixed material is poured onto the floor in a puddle or continuous bead and spread with a notched trowel to the desired thickness. As the work progresses, the surface should be rolled with a spike roller to remove air bubbles. Do not scrape or pour the remaining material from the mixing container onto the substrate.
Do not apply in direct sunlight or under damp conditions. Inadequate mixing may result in uneven curing or color variation.

Waste handling

Storage and handling of waste
See the separate storage and disposal instructions https://www.fescon.fi/en/material-bank

Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

Technical information

Colour	Brown
Package size	Part A in a 13.8 l metal container and Part B in a 2.5 l plastic container
Storage	+5°C to +25°C, shelf life up to 6 months. Must be stored in a warm location in tightly sealed original containers.
Mixing time	Approx. two minutes
Density	(+25°C): 0.89 kg/l
Usage temperature	+15°C…+25°C
Usage time	In the container: approx. 21 minutes Once poured onto the floor: approx. 20–30 minutes Working time shortens as temperature increases.
Drying time	Touch-dry in 7 h (+25°C) and 11 h (+15°C). Resists light traffic after approx. 16 h (+25°C) and approx. 24 h (+15°C). Fully cured in 7 days.
Strength class	Shore A 61
Relative air humidity	Below 80% during application and curing of the coating
Thinner	Do not dilute
Method of application	Applied with a notched trowel or a straight-edge trowel
VOC content	2 g/l (ready-to-use mixture)EU VOC 2004/42/EC (Cat A/j) max. 500 g/l (2010)
Washing tools	Nanten PU Thinner

Remember to consult the Maintenance Instructions for Coated Floors and the product Safety Data Sheet on our website at www.fescon.fi, or request a copy by calling +358 9 274 7970. Although the technical details provided in this product description are based on our best knowledge and experience, the information above should always be regarded as indicative. The user is responsible for verifying the suitability of the product for the intended application. If the instructions are not followed, the user assumes full responsibility for any resulting damage or consequences. Limitation of liability, product use notes and restrictions: Please familiarize yourself with Fescon Oy's general terms of delivery and the design and work instructions related to the product.