

# NEXA FLOOR 2K

Two-component, solvent-free, flexible, self-leveling polyurethane flooring

## Descripción:

Two-component mortar for flexible waterproofing of concrete and masonry (under direct and backpressure). It is recommended to protect it with a pigmented aliphatic polyurethane layer.

## Usos admitidos

Treatment, decoration, and protection of pavements, floors, and rehabilitation of:

- Industrial floors
- Food industry floors
- Chemical-resistant floors
- Vehicular floors (intense light traffic)
- Shopping centers
- Refrigeration chambers
- And others

## Soportes admitidos

Concrete, cement mortar, mosaic, ceramic, tiles. For other substrates, it is recommended to perform tests to verify adhesion. For special substrate conditions, contact the technical department.

## Ventajas

- Solvent-free
- Excellent adhesion to almost all types of surfaces
- High resistance to abrasion and impact
- Good mechanical strength
- Excellent chemical resistance
- Exceptional resistance to extreme temperatures (ranging from  $-40^{\circ}\text{F}$  to  $+194^{\circ}\text{F}$  /  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$ )
- Maximum shock temperature:  $392^{\circ}\text{F}$  ( $200^{\circ}\text{C}$ )
- Completely impermeable and resistant to permanent water contact, hydrolysis, and microorganisms
- Once cured, the pavement is non-toxic

## Limitaciones

- In applications exposed to UV, yellowing may occur; it is recommended to finish with pigmented paints.
- Not recommended for waterproofing pools in contact with chemically treated water.
- For chemical applications, consult the technical service.
- Incorrect treatment of cracks and critical points may reduce the pavement's lifespan.

## Aplicación

- The substrate must be clean, free of grease and dust, leveled, porous, and dry.
- Before applying, confirm that the temperature and humidity requirements are met (refer to the table).
- It is important to monitor the dew point to avoid condensation and prevent whitening on the coating.
- The concrete substrate must be porous, free of laitance, and without curing agents.
- Compression resistance: 2175.57 psi (15 N/mm<sup>2</sup>).
- Concrete tensile strength: 145.04 psi (1 N/mm<sup>2</sup>). In case of doubt, perform a test before application.
- If the substrate conditions differ from the required ones, consult the technical department.
- Prime the substrate with Universal Primer. The adhesion value of the system is based on this primer.
- Mix the two components using a low-speed electric mixer (300-400 rpm) to prevent air entrapment in the mixture.
- Thoroughly stir Component A in its container, then add Component B and mix for at least 2 minutes until a homogeneous product is obtained.
- Over-mixing may result in air bubbles.
- Do not dilute; the product is ready to use.
- Application tools: Notched trowel and spiked roller.
- Pour the product continuously to avoid air pocket formation.
- Spread the material using a notched trowel or chosen tool to achieve the desired thickness.
- De-aerate the coating with a spiked roller.
- Pot life: Approximately 20-30 minutes at  $77^{\circ}\text{F}$  ( $25^{\circ}\text{C}$ ).

# NEXA FLOOR 2K

Two-component, solvent-free, flexible, self-leveling polyurethane flooring

- Recoating can be done once previous layers are dry, approximately 8-24 hours later. Do not recoat after 48 hours.  
Touch dry: 2-3 hours.  
Pedestrian traffic: 24 hours.  
Light traffic: 2 days.  
Full cure: 7 days.  
(At approximately 77 °F / 25 °C and 55% RH.)
- These times are approximate and can be affected by changes in environmental conditions, especially humidity and temperature.
- Due to its low UV resistance, it is recommended to recoat with pigmented NEXA PROTECTIVE.
- Anti-slip: For anti-slip finishes, silica sand with a granulometry of 0.0157-0.0354 in (0.4-0.9 mm) or higher should be sprinkled fresh, depending on the desired anti-slip system.
- NEXAFLOOR 2K can (optionally) be mixed with silica sand of 0.0079-0.0157 in (0.2-0.4 mm) granulometry and dried to apply as a leveling layer.
- It also supports this sand as a self-leveling system with a ratio of 2 parts resin to 1 part sand by weight. It is very important that the sand is completely dry; otherwise, bubble formation will occur.
- Sand can be sprinkled fresh for anti-slip systems.  
Self-leveling System:  
Primer.  
NEXAFLOOR 2K.  
Paint.
- To maintain the appearance of the pavement after application, all spills must be cleaned immediately after they occur.
- The pavement should be cleaned regularly using rotary brushes, high-pressure cleaners, vacuums, and appropriate detergents and waxes.

## Consumption

- For every 0.039 inches (1 mm) of thickness, 0.31 lb/ft<sup>2</sup> (1.5 kg/m<sup>2</sup>) is required.

## Cleaning

- Clean tools immediately after use with solvent.
- Fully cured material can only be removed mechanically.

## Presentation and Colors

44.09 lb (20 kg) kits:

- Component A: 9.92 lb (4.5 kg), yellowish color.
- Component B: 34.17 lb (15.5 kg), available in RAL colors.

## Colors

- Gray (RAL 7040), White (RAL 9010), Tile.

## Container Stability

12 months in a dry place between (5°C and 25°C).

## Transportation, Preventive measures and Storage

Refer to the safety data sheet.

The information provided serves as a recommendation based on laboratory tests and our current knowledge. Different conditions on construction sites may result in variations from the given information; therefore, our warranty is limited to the supplied product. For any questions, please contact our technical department.

# NEXA FLOOR 2K

Two-component, solvent-free, flexible, self-leveling polyurethane flooring

SELF-LEVELLING FLOORING

## Technical data of the liquid product

CONCEPTOS	RESULTADOS
Mixing Ratio	Comp. A: 9.92 lb (4.5 kg) Comp. B: 34.17 lb (15.5 kg)
Chemical Base	Polyurethane
Specific Weight	Comp. A: 74.9 lb/ft <sup>3</sup> (1.2 g/cm <sup>3</sup> ) Comp. B: 78.7 lb/ft <sup>3</sup> (1.26 g/cm <sup>3</sup> )
Solids Content	100%
Viscosity	3000 cP
Pot Life	20-30 minutes at 77 °F (25 °C)
Recoat Time	8-24 hours
Touch Dry Time	2-3 hours
Full Cure	7 days
VOC Content	0 g/L

## Technical data of the membrane

CONCEPTOS	RESULTADOS
Substrate Temperature	>50 °F to <95 °F (>10 °C to <35 °C)
Ambient Temperature	>46.4 °F to <86 °F (>8 °C to <30 °C)
Service Temperature	-40 °F to +176 °F (-40 °C to +80 °C)
Relative Humidity	<85%
Substrate Humidity	<4%
Shore Hardness (D)	>60
Tensile Strength	>4351 psi (>30 N/mm <sup>2</sup> )
Elasticity	50%
Wear Resistance	120 µm
Impact Resistance	>4 Nm
Adhesion	>580.2 psi (>4 N/mm <sup>2</sup> )
Water Vapor Transmission	0.164 lb/ft <sup>2</sup> -hr (0.8 g/m <sup>2</sup> -hr)

Para más información sobre nuestros productos y sistemas, así como descarga de documentación técnica o hojas de seguridad, visite nuestra web o contacte con nosotros.

NEXA COATINGS  
✉ [contact@nexacoatings.com](mailto:contact@nexacoatings.com)  
☎ +1 3052304789  
🌐 [www.nexacoatings.com](http://www.nexacoatings.com)