

TECHNICAL INFORMATION

MICROFLEX

505-00317-900



DESCRIPTION

MICROFLEX is a waterproofing agent for porous mineral surfaces that penetrates a few millimeters deep into concrete or a cementitious surface, anchoring itself and becoming an integral part of it. Being composed of silicon dioxide-based nanoparticles, it protects the substrate from water and moisture-borne contaminants much more effectively than traditional coatings, thus prolonging its useful life.

USE

MICROFLEX is ideal as an invisible deep waterproofing treatment, resistant to water and UV rays, recommended for horizontal concrete or cementitious surfaces.

Structure	Floors
Interior/Exterior	Indoors, Outdoors
Surface	Concrete, Pavers

PROPERTIES

SPECIAL PROPERTIES

Breathability	Yes
Appearance	Colorless liquid

PHYSICAL PROPERTIES	DATA
Weight Solids (%)	2
VOC (grams/litre)	< 1
pH	10.5 - 12.5
Weight per gallon (kg/gal)	3.8 - 3.9
Flash point	> 100°C
Approximate theoretical yield	18m ² /gl. depending on the substrate's absorption
Shelf life	2 years [in original container]

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.



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Pressure washing resistance

725 - 870 psi

CONTAINERS AND COLORS

AVAILABLE CONTAINERS

1 gallon plastic can (3.785 Lt.)

5-gallon bucket (18.925 Lt.)

SURFACE PREPARATION

CONDITION	INSTRUCTION
New Surface	New surfaces must be fully cured, usually about 28 days, dry and clean.
New Surface	Remove any residue of grease, paint or other contaminants with sandpaper, hand, power tools, or scarifying to obtain a suitable anchor pattern. Then wash the surface with brush or brooms. Do not use detergents.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Producto: 505-00317-900, MICROFLEX	100%	Ready to use, do not dilute

PRODUCT APPLICATION

APPLICATION TOOL

Spray

Backpack Sprayer

Airless equipment

Application conditions

Apply to a surface as clean and dry as possible.

Do not use high alkalinity products (pH 13 or 14) in previous cleaning or to clean the protected surface.

Properly protect the adjacent areas that won't be treated.

Remove splashes as quickly as possible. Any unwanted residue should be removed.

Surface must be dry 24 hours before application.

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Application Instructions

Apply by spray.

The chemical reaction of silicon dioxide (SiO₂) with concrete occurs within 24 hours; sunrays and high temperature help to speed up this reaction process.

Do not mix with other products or dilute with water.

Carry out a preliminary test in a small area (approx. 1 m²) to calculate the amount of MICROFLEX necessary for its proper performance.

Apply three coats with 20 to 30 minutes curing time between coats.

On high porosity surfaces apply an additional layer of MICROFLEX

Spray at some 15 to 20 cm.

Final Instructions

Avoid any type of mechanical abrasion on the protected surface during the first hours after application.

Note

Do not apply on painted surfaces, remove all paint before applying the product.

The useful life of this coating is subject to the mechanical friction suffered by the surface, to the surface's abrasion and how strictly these application instructions were followed.

This Microflex coating penetrates a few millimeters into the concrete substrate, becoming part of it.

If the coated surface suffers alterations such as cracks or microcracks, the efficiency of this impregnation will be affected.

NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
Container must be kept out of reach of children, tightly closed in a ventilated place, away from sunlight or intense heat.
- ✓ Do not use this product in constant immersion
- ✓ Do not use this product on surfaces with capillary moisture, fungi or surface moisture.

HEALTH

- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose
- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>

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