



High Performance final treatment for concrete

Reisfórmula® - Lítium

PRODUCT

Reisfórmula®- Lítium is an advanced technology chemical hardener and densifier based on lithium silicate, formulated to be applied on high standard cementitious floors and polished floors.

Reisfórmula®- Lítium was developed through the concept of nanotechnology, a technique that permits the division or creation of microscopic particles, which will make the chemical reaction on the treated surface.

Reisfórmula - Lítium penetrates as far as 1/4 of inch (6mm) into the concrete pores, reacting with its free lime, producing a three-insoluble calcium silicate turning the surface of the concrete harder, denser and resistant to abrasion, preserving and lengthening the materials work time.

Reisfórmula®- Lítium seals reducing permeability, leaving the treated surface smooth and free of dust originated from constant traffic.

Reisfórmula®- Lítium It can be applied to new and old floors, freshly finished concrete floors and polished floors.

When applied to smooth finished floors and polished floors, it has a glossy appearance similar to a varnish and after polishing it will look like marble. The treated surface will develop more shine if there is a cleaning and polishing routine with appropriate equipment.

To preserve the floor, use the appropriate detergent (consult the technical department).

APPLICATIONS

Intern or extern floors of any ages
Industrial concrete floor
Warehouses with intense traffics
Supermarket floors and parking lot
Airplane hangars
Building basements
Chip floors
Automobile industries as well as electro-electronics, textiles etc...

BENEFITS

Mirror aspect (vitrified);
Penetrates deep into concrete ensuring durable protection;
Increases abrasion resistance by up to 47%
Reduction of permeability;
Permanent sealing thus easing cleanliness;
Better reflection of illumination;
Armored and hard surface;
Reduce the porosity, leaving the floor dustless;
Improves the aspect of the floor;
Does not scratch or delaminate;
Does not emit volatile gasses (VOC);
Traffic liberation in 1 to 2 hours.

EQUIPMENT FOR APPLICATION

Low pressure pump, MOP or low wool paint roller

EQUIPMENT FOR POLISHING AND CLEANING

Propane – Ultra Speed – High Speed – Automatic washer.

PRODUCT APPLICATION

The product shall be applied by trained professionals. On new floors, wait a minimum of 7 days to start application (cement with a high concentration of slag), this period is necessary for the reaction with calcium hydroxide to occur.

CURED FLOORS

It shall be washed with clean water to remove dusts. Should it be contaminated with grease or oil, then a neuter Ph degreaser has to be used no matter how many times it's necessary until the surface is totally clean. Floor with chemical cure or painted, must be removed mechanically.

POLISHED FLOORS

It must be applied after using resin sandpaper between 600 and 1000, let the product dry between 4 to 12 hours to resume the final polishing.

You can also use **Propane** equipment for polishing.

APPLICATION METHOD

Smooth/polished floor: spray Reisfórmula® - Lítium with a low pressure pump without dilution on the floor surface and spread with a mop or paint roller for a period of 15 minutes, until a uniform layer is formed without puddles.

Avoid dropping water on the floor for at least 7 days.

Note: In the event of the disappearance of the product (sponge effect) that doesn't mean the product was not applied well. This occurs because the high porosity of the concrete or the time of application was not enough, in this case, repeat the application process all over again until a vitrified layer is formed.

CLEANING THE TOOLS

Wash with clean water until completely free of residue of the material.

CAUTION: Avoid contact of **Reisfórmula®- Lítium** with glass and fabrics.

PHYSICAL FEATURES

CHARACTERISTICS	RESULTS
Appearance / Odor	Colorless and odorless liquid
Solvent rate	Non – existent
Flame point	Non – existent
Flamability Limits	Non – existent
Gas emission	Non – existent
Density	1.11
Solid rates	16%
VOC rate	zero
Freezen point	- 5°C

CHARACTERISTICS AND PERFORMANCE

Chemical composition	Lithium silicate
Rate of actives	100% solids
Physical states	Viscous liquid
Containers	200 and 50 LT Drums
Drying	1 to 2 hours

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Our technical advice concerning the application of the product is made verbally, in writing and through demonstration depending on the interest of the customer.

It should be noted that the application of the product is a precision process and when it is not applied by Reis e Reis, the company disclaims any responsibility; therefore, the responsibility is that of the customer. Regarding the storage and use of the product, any resulting change in its properties will be the complete responsibility of the customer.

The liability of Reis e Reis will be limited to any damage or loss in value of the goods supplied by the company and used by the customer. We guarantee the unquestionable quality of our products in accordance with our terms of sale and supply.



PERFORMANCE

5 to 20m² per liter per coat.

GUARANTY

A properly prepared and structurally sound concrete surface treated with Reissfórmula® Lithium will remain sealed, dustproof and hardened for a long time.

The product does not assure the structural part of the floor but only the superficial layer.

CLEANLINESS AND SAFETY

Users must use safety glasses and rubber gloves. Direct contact with the skin should be avoided (can cause irritation). In case of contact with the skin or eyes, wash immediately with abundant water and consult a doctor and inform the type of product. Keep out of the reach of children and animals and sources of heat.

Remove the product from the package by immersion or with a suction pump.

DO NOT REMOVE THE PRODUCT BY MOUTH.

STORAGE

Reissfórmula®- Lithium should be stored in a dry location, covered and ventilated at 25°C (80°F).

VALIDITY

2 years in its original package

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