

Self-Leveling and Fast Curing Cementitious Mortar

REPAROX® - PI

PRODUCT

REPAROX® - PI is a product composed of cement and chemical additives of high fluidity and plasticity resulting in a fluid mortar with great resistance to compression and to abrasion.

REPAROX® - PI is recommended to be used in concrete floor repairs and regularizations where high resistance to abrasion and compression is needed, thus it can be applied at a depths from 2,5 mm to 20 mm.

REPAROX® - PI can also be used in decorative projects.

USE SEGMENT

- Repairs of delaminated industrial floors;
- Regularization of buildings and residential environments;
- Decorated floors;
- Sports floors;
- Garages and access roads;
- Patios and plazas;
- Stucco for floor repairs, etc.

APPLICATION

For good adherence and satisfactory results, the surface where REPAROX® - PI will be applied to must be plane and free of dusts, contaminants and dirties such as oils and greases.

STEPS FOR APPLICATION

1. Remove the loose surface with a flat chisel;
2. Clean the whole surface, leaving it free of dust;
3. Apply an acrylic primer;
4. Use smooth or notched trowel to spread the material;
5. In cases of repairs, the area shall be prepared in square shape.

REPAROX® - PI should be mixed with a propeller coupled to a drill for 3 minutes until it becomes homogeneous.

LIBERATION TO TRAFFIC

Hiking: 6 to 12 hours;
Heavy traffic: 48 hours.

TOOLS

Low speed drill mixer propeller, steel trowel and flat brush.

IMPORTANT INFORMATION

Respect the existing base of structural joints. Use the proper amount of water for the mix after all it's of utmost importance for both, the speed of curing and the initial and final resistance. Oddments of products shall not be used.

CHARACTERISTICS AND PERFORMANCE

Chemical composition	Cement and additives
Physical state	Powder
Package	Bag: 20 kg
Color	Gray
Resistance	Water and weak acids pH > 3.5

PHYSICAL PROPERTIES AND METHOD OF TESTS

CHARACTERISTICS	RESULTS	METHOD OF TESTS
Smell	None	-
Application 6 hours	10 mPa	Resistance in compression
Application 2 days	33 mPa	Resistance in compression
Application 7 days	39 mPa	Resistance in compression
Application 14 days	45 mPa	Resistance in compression
Adherence in 28 days	1.0 mPa	-
Yield 1 mm	1,6kg / 1m ²	-
Beginning of hardness	20 minutes	-
Finishing hardness	60 minutes	-
Time of cure	24 – 48 hours	-

SUGGESTED QUANTITIES

REPAROX®-PI	WATER
20 Kg	2.7 L
10 Kg	1.350 L
5 Kg	0.675 L
2 kg	0.270 L
1 kg	0.135 L

HEALTH AND SAFETY

Users should wear protective safety glasses and rubber gloves. Direct skin contact should be avoided. In case of contact with skin or eyes, rinse immediately with plenty of water, seek medical attention and inform the type of product. Keep containers out of reach of children, pets and heat sources.

STORAGE

The Acrylic Resin should be stored in a dry, covered and ventilated place at 77°F (25°C).

EXPIRATION

6 months in original, sealed package.

TECHNICAL RECOMMENDATIONS

APPLICATION CONDITIONS

Check the working temperature:

- The air in indoor environment: 5°C to 35°C
- The surface of the base: 5°C to 27°C

Water Dosing:

- Mind the dosage of water so that there is no change in resistance or drying.

Product Application:

- Before applying the **REPAROX[®]PI**, the surface should be prepared by applying the acrylic primer solvent based **RR Primer[®] ABS** (see the Technical Information of Product in the Page 1/2.).
- After application of **REPAROX[®]PI** should be used Stick-bubbles roll, avoiding the air to rise to the surface causing micro cavities.

Note: To avoid microcracks, it is necessary to moist cure with geotextile by a minimum of 2 to 3 days for hydration of the mortar improving performance.

We recommend that the entire application process is done by professionals with expertise.

YIELD

External factors beyond the control of Reis e Reis, as relative humidity and/or surface temperature and local weather conditions may affect the performance and the performance of the product, which, in functions of these factors may vary.

SHOULD NOT BE APPLIED IN THE FOLLOWING CONDITIONS:

Surface: It must be free of dust, grease, curing agents or mold release film formers.

Heat Sources: The product should not be applied under the bright sunlight. It is recommended to apply in the coldest period of the day. It should not be applied near the industrial furnaces or other sources of intense heat.

Climatic Conditions: The product loses its effectiveness, when applied at temperatures below 5°C, exposure to rain, mist, drizzle, sleet or snow.

Note: The curing of the product may vary depending on the temperature and relative humidity.