

High-Performance Semi-Rigid Epoxy

RR1970®

PRODUCT

RR 1970® is an epoxy resin based on 100% solids of three components. It was developed for semi-flexible seals in joints up to 10% handling exposed to impacts. Excellent characteristics allow it to be used in high traffic such as industrial floors, warehouses, high movement of forklifts and carts with solid wheels, crack repairs, correction of damaged edges, etc.

APPLICATION

Apply the product by gravity over the gutter channel until it is level.

To limit and prevent leaks, use a depth gauge (tarucel) over the gutter channel.

CLEANING

For a good grip and quite satisfying result, RR 1970® should be applied to a surface which is clean, completely dry, free of dust and dirt contaminants (grease, oil and silicones).

RR 1970® must be applied in joints up to 1.0 cm wide.

IDEAL MEASURE OF APPLICATION

Consumption	Width	Depth
0,166 kg/m	0,4 cm	2,4 cm
0,259 kg/m	0,5 cm	3,0 cm
0,374 kg/m	0,6 cm	3,6 cm
0,664 kg/m	0,8 cm	4,8 cm

Consumption (Kg/m) = [Depth (cm) x Width (cm) x Density (g/cm³)] / 10

NOTE: To fix cracks it should be filled throughout thickness of the floor.

PRODUCT PREPARATION

Pre-mix each component A (resin) + component B (hardener) until you get a uniform compound and then add component C (quartz) and continue mixing until completely homogenized.

MIXTURE

Use a portable mixer or rod attached to a low speed drill for 3 to 5 minutes.

The mixture of components A + B must be held in the container of component A.

LIMITS OF APPLICATION

It should not have any type of moisture, dust or dirt in the joints where RR 1970® is applied.

NEW FLOORS

It is recommended that the concrete reach at least 70% of its final retraction. The estimated time for application is a minimum of 120 days. Application should be made in the coldest period of the day or night. If there separation or displacement of the edges happens, it is not because of the

material, but only due to alleviation of tensions. To fix, remove the dust and debris and complete with RR 1970®. Premature filling of the joints will cause product breakage or lateral detachment.

BENEFITS

- It has excellent adhesion to concrete and asphalt;
- no primer required;
- It has resistance to chemicals and moisture;
- It is self-leveling with quick drying;
- Break resistant;
- Semi-flexible.

PROPERTIES

Color	Grey
Pot life 25°C / 77°F	45 minutes
Touch dry at 25°C / 77°F	3 to 4 hours
Final curing time at 25°C / 77°F	7 days
Packing	Kit 8 Kg

APPLICATION EXAMPLE



PHYSICAL PROPERTIES

Characteristics	Results
Solids Content	100%
Density	1,73g/cm³
Shore hardness A	70/80
Elongation	140%
Tension of rupture	296 psi

HEALTH AND SAFETY

Use protective 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. Keep out of the reach of children and animals.

STORAGE

RR 1970® should be stored in a dry, covered and ventilated location at around 77°F (25°C).

VALIDITY AND STORAGE

12 months from date of manufacture, provided it is stored at below 77°F (25°C) in a dry and ventilated place in original packaging.

FOR MORE INFORMATION, SEE FOOTER.