

# EPOXY DRAIN A+B

## Bicomponent epoxy resin for draining gravel

### DESCRIPTION

Epoxy Drain a + b Isoplasm® consists of a pure, solvent-free epoxy resin and an aliphatic hardener. It is a binder for decorative coatings in grit or quartz, which can be used both indoors and outdoors. The two components, once mixed, create a bonding film that is very resistant to atmospheric agents and wear. Since the film is very compact, we obtain surfaces that are easy to clean and resistant to dirt. It is easy to use and has reduced consumption.

### FIELDS OF EMPLOYMENT

Epoxy Drain a + b Isoplasm® is mixed with washed and dried natural or quartz pebbles to obtain rigid and wear resistant decorative coatings both indoors and outdoors.

### SUPPORT PREPARATION

The support must be dry, well-bonded and must not contain any residues of dirt, dust or anything else that could affect adhesion.  
Apply the Isoplasm® Vapor Barrier epoxy primer.

### MIX PREPARATION A + B

Pour the hardener (B) into the resin (A) and mix at low speed for about 4 minutes with a drill that reduces the incorporation of air. The bottom and the walls of the container must be carefully scraped. In case of partial use of the packages, you have to take into consideration the weight ratio of the two components (A + B: 100 + 60). The reaction between the two components starts immediately after mixing: the workability time is therefore limited and depends on the temperature. At 20 ° C, the hardening time is about 45 minutes (the minimum hardening temperature is + 10 ° C). At 20 ° C the product hardens in 8-10 hours; complete hardening occurs after about 7 days.

## APPLICATION AND MAINTENANCE

- The chosen decorative grit, of 4-8 mm or 1-4 mm, must be carefully washed and dried. It should therefore be mixed with about 5% / 7% by weight of Epoxy Drain a + b (the percentage of resin varies according to the granulometry of the pebbles used).  
The resin must be mixed very well with the grit by means of a slow mixing drill (about 400UpM). Once ready, the mixture should be poured into a clean container and mixed again. The workability of the dough is about 40 minutes, considering that the two components of Epoxy Drain must be mixed immediately before use.
- The dough should initially be distributed with a spatula, in the desired thickness, to be then compacted and smoothed. You must consider that the thickness of the package must be at least twice the size of the chosen grit.  
To facilitate the smoothing work, we suggest to clean the spatula, with a certain frequency, with Isoplasm® Epoxy Diluent.
- Surfaces can be walked on with caution after about 8 hours; the complete hardening occurs after about 7 days.
- Clean the tools as soon as possible with Isoplasm® Epoxy Diluent. Once the product is dried, it will be possible to remove the resin only mechanically.
- Surface cleaning and care can be carried out with Wow Isoplasm® or neutral detergents. It is advisable to carry it out regularly.

## TECHNICAL DATA

Packaging	comp A: 10 kg - pack comp B: 6 kg - jerry can
Processing temperature	from +10°C to +30°C
Workability at +20°C	about 45 minutes
Packaging and storage	At least 12 months in a dry and protected place,
at a temperature between + 10 ° C and + 30 ° C in their original containers.	
Disposal	In accordance with local regulations

## CONSUMPTION

As a binder for draining gravel (4-8 mm and 1-4 mm) the consumption is about 5% / 7% on the weight of the grit (ie 1 kg a + b of Epoxy Drain allows to mix about 15 kg of grit).  
Yield: with 1 kg a + b of Epoxy Drain, it is realized about 1 square meter to 1 cm thickness.

## WARNINGS

- Observe the processing temperatures (between + 10 ° C and + 30 ° C). Above + 30 ° C the resin could slip away from the surface of the coating, compromising the durability of the system.
- The surface of the substrate must be dry before starting to roll out the system.
- An overdose of the resin can cause the formation of bubbles and craters.
- The presence of moisture in the grit can determine the drastic decrease of the cohesion resistances creating detachments of material.
- The percentages indicated refer to the use of 4-8 mm and 1-4 mm grit. If other types of grit are used, it is advisable to carry out preliminary tests.
- Compact the draining gravel well to obtain a stable and homogeneous wear layer.

## SAFETY

Consult the safety data sheet before use. Epoxy Drain Isoplasm® is intended for professional use only.



**IMPORTANT**

All information contained in this sheet is based on the best practical and laboratory experiences. It is the customer's responsibility to verify that the product is suitable for the intended use. The manufacturer declines all responsibility for the results of incorrect applications. It is advisable to always carry out tests on small surfaces before application. Data can be changed at any time. This sheet replaces and cancels previous ones. Data can be changed at any time. It is also remembered that Isoplam products are intended for professional use and that Isoplam organizes periodic courses on products for those who request it. Anyone who uses these products without being enabled does so at his own risk.