860 EPOXY PRIMER (SOLVENT FREE)

Description

Two component, solvent free epoxy primer, for the preparation of industrial cement floors, industrial concrete constructions, pools, etc. Presents great adhesion to the cement, filling its pores and at the same time creats a durable film with, resulting into a long term protection from water, chemical factors and promotes its mechanical properties. It is solvent free and so it is ideal for places with poor ventilation.

Technical Information

Shade	Transparent
Specific Weight	1,09 ± 0,03 kg/lt (EN ISO 2811)
Theoretical Coverage	0,125-0,350 kg/m^2 (A+B)
Mixing ratio	A:B-2,25:1 by weight
Solids	(A+B) 100% by weight (EN ISO 3251, non-volatile)
Bond strength	4,3 N/mm^2 (EN 13892-8)
Pot Life	35-45 min (25˚C)
VOC	READY FOR USE MAXIMUM: 0 g/lt EU LIMITS(2010): 750g/lt SUBCATEGORY: h –binding primers, Type S

Drying Time (25˚C)

Drying	24 hr
Recoating	Minimum 14 hr–maximum 42 hr
Walkability	2 days
Total drying	5-7 days

(The above times are indicative and depend on the thinning percentage, moisture and temperature)

Fast track harder

Available on request with hardener **860 B fast**, especially when low temperature occur, or when fast surface preparation, drying and recoating are required.

Mixing ratio	A:B - 2,25: 0,7 by weight
Pot Life	10-15 min (25ºC)
Drying	5hr (25ºC)
Recoating	Minimum 4 hr – maximum 8 hr (25ºC)
Total drying	2-4 days (25ºC)

Surface Preparation

The surface where the product will be applied on should be: Totally dry and clean, clean from frail pieces, dust, oil, grease etc, protected from underneath moisture. In case of a new cement surface, it is important to wait a month after the ending of the construction.

After priming, any existing imperfections (cracks, holes) should be filled:

A. With epoxy putty 800 (A+B)

B. With 860, mixed with με quartz sand with particle size 0,1-0,4mm with mixing ratio from 1:3 to 1-10 by weight.

C. With 950 STANCOFLOOR, mixed with με quartz sand with particle size 0,1-0,4mm with mixing ratio 1:4 by weight.

Application

Mix A:B-2,25:1 by weight. The two components should be mixed for 2-3 minutes using a mechanical stirrer in low speed. It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener.

During the mixing should be used low speed for a short time in order to avoid the risk of developing high temperatures in the mixture, which would lead to reduction of pot life - steep polymerization and destruction of the material. It is applied in one layer with brush or roller without thinning, so that that the substrate is well immersed while at the same time avoiding the creation of <<ponds>>. The surface must look like wet cement, without any gloss film. Consumption of 860 (A+B): 125-350 g/m^2/layer. The coated surface is ready to be recoated minimum after 14hr-maximum after 42hr (hardening 24 hours).

In case that longer time than predicted interferes between the application of layers, the surfaces must be prepared properly before the new layer with sandpaper or other mechanical means.

Application temperature	10ºC-30ºC
Application humidity	<70% relative humidity
Surface humidity	<4%
Suggested thinners	1120-1131 The choice of suitable thinner depends on the application method, the temperature and the humidity conditions. For the suitable choice, please contact with the technical department of our company.

It is necessary to protect the primer from the moisture for about 12 hours after the application. Moisture may create whitening and / or sticky surface that may negative affect the adhesion of the topcoat, and the drying times.

Clean the tools right after its use with the suggested thinners.

Storage Up to 12 months in a dry and cool place (5-30˚C)

Safety Please consult the Material Safety Data Sheet. Available upon request.

For the selection and application of industrial floor systems, our company cooperates with authorized- licensed technical applicators. For more information please, contact us.
In the event that material selection and application are not made by these technical applicators, the company assumes no guarantee and responsibility for the final result.