

CAPOXY FLOOR-500

HIGH PERFORMANCE, EPOXY RESIN COATING

DESCRIPTION

CAPOXY FLOOR-500 is a two-component solvent-free epoxy resin based coating, designed to provide smooth glossy finish on concrete surfaces with excellent resistance to mechanical stress and chemical attack. To get a slip resistant finish, broadcasting of non-skid grit is recommended after application of First coat.

COLORS

Standard colors Gray and Light Gray.
Other colors available on request.

USES

- Food processing plant.
- Warehouse floors.
- Chemical plants.
- Manufacturing plants.
- Fabrication facilities.
- Walkways.
- Garages.
- As a protective coating over epoxy screed

ADVANTAGES

- Provides excellent wear under traffic.
- Excellent resistance to variety of chemicals.
- Easy to apply.
- Can be applied as a non-slip floor finish.
- Free of solvents for low-odor and safe applications.

PROPERTIES

Typical physical properties

Pot life	: 30 min
Initial hardening hrs	: 4-6
Recoat time hrs	: 24
Full cure days	: 7
Flexibility	: good
Pull off adhesion (ASTM D4541):	> 5 N/mm ² (concrete failure)

CHEMICAL RESISTANCE

Resistance to spillage ASTM D-1308

Acetic acid	: Pass
Sodium Hydroxide solution 10 %	: Pass
Nitric acid 10 %	: Pass
Hydrochloric acid 5 %	: Pass
Sulfuric Acid 5 %	: Pass
Citric acid 5 %	: Pass
Ethyl alcohol	: Pass
Vegetable oil	: Pass
Sea water	: Pass
Sugar solution	: Pass
Kerosene	: Pass
Toluene	: Pass
Diesel	: Pass
Xylene	: Pass

DIRECTIONS FOR USE

Substrate preparation

It is essential that **CAPOXY FLOOR-500** is applied on sound, cleaned dry substrate in order to achieve maximum adhesion between the epoxy coat and substrate.

New concrete floors must be cured and prepared as per standard construction norms. The substrate must be firm dry and free from oil, grease, curing compounds and all other contaminants. All loose particles and excess laitance should be removed by mechanical or chemical method.

All cracks over 2 mm wide should be filled with epoxy mortar or Epoxy putty.

Priming

Apply a prime coat of **CAPOXYPRIME SPL** (if required) either by brush, Roller or air less spray equipment .Primer should be allowed to dry before over coating.

Mixing

Stir each component separately, with a slow speed drill having a mixing paddle attachment.

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Transfer part B to part A and mix together for 3 minutes. Carefully scrape the sides and bottom of the pail during mixing reduce wastage by not making up more material that can comfortably be applied within the pot life.

APPLICATION

First coat

Having made the necessary preparation and primed, if necessary with Capoxy prime special. Apply **CAPOXY FLOOR-500** by brush or roller at the rate of 4 -5 m² per liter. To obtain anti skid surface, fine quartz grains should be lightly and uniformly broadcasted over non cured coat. care should be taken to avoid non uniform application of anti slip grains. Or product can be used to obtain a smooth glossy finish by omitting anti slip grains. Top coat can be applied within 24 hours of first coat application.

Apply second coat of capoxy floor-500 by brush or roller at a rate of 4 to 5 m² per liter.

CLEANING OF TOOLS

Immediately after use, remove uncured **CAPOXY FLOOR-500** from tools and equipments by using **CAP THINNER**. Cured material may only be removed mechanically.

PACKAGING

CAPOXY FLOOR 500 : 20 liter kit (A+B)
: 4 liter kit (A+B)
CAP THINNER : 5 Liter
NON SLIP GRAINS : 25 Kg Bag

COVERAGE

Base Coat : 4-5 m²/liter/coat
Cap floor grain : 1.5-2 kg/m²
Top coat : 4-5 m²/liter/coat

STORAGE

Store under shade between 10⁰ C to 35⁰ C.

SHELF LIFE

12 months in sealed original containers, under recommended storage conditions.

SAFETY PRECAUTIONS

- Keep container closed when not in use.
- Keep out of reach of children.
- Both components are irritant, prolonged contact with skin or eye may cause sensitization

FIRST AID

Skin contact

Wash thoroughly with soap and water.

Eye contact

Flush immediately with clean water and seek medical advice.

Respiratory problems

Remove affected person to fresh air immediately and contact physician.

Hygiene

After use Wash hands immediately with **CAP THINNER** followed by soap and water.

TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note : The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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