

WHITECHEM PU BINDER 503

1- PRODUCT DESCRIPTION

WHITECHEM PU BINDER 503 Previous surface system, produced as an alternative to conventional surface coating materials such as asphalt, concrete, compressive concrete, cobblestone , traditional surfaces, natural view, modern, surface coating system.



WHITECHEM PU BINDER 503 Naturally occurring in different colors and sizes pebbles, mixing with specially formulated for pervious surfaces transparent, high quality, **WHITECHEM PU ST 303** and UV resistant aliphatic **WHITECHEM PU BINDER 503** pebble binder polymer resin, you can create natural and high strength surfaces on Asphalt or Concrete.

WHITECHEM PU BINDER 503 is provides pebble pervious view compatible for architects, landscape architects and designers projects other elements, with design flexibility and endless color options.

WHITECHEM PU BINDER 503 pervious pebble upper structure system outdoor structure, while allowing immediate evacuation base water, prevents the water accumulation on surface and provides access to cultivated areas or land sewage water.

The system provides all the requirements to create a sustainable drainage system and it minimizes the

risk of flooding to areas designed by transferring water in urban design applications.

2-APPLICATION AREAS

WHITECHEM PU ST 303 and **WHITECHEM WHITECHEM PU BINDER 503** is compatible for indoor and outdoor surfaces;

- Car Park Areas
- Schools
- Walking Paths
- Tree Environments
- Bicycle Paths
- Garden Design
- Landscape plans
- Swimming Pool Environments
- Roads
- Handicapped Ramp
- Public Parks
- Roof
- Terraces and Balcony
- Office Buildings
- Courtyards

WHITECHEM PU ST 303 and **WHITECHEM WHITECHEM PU BINDER 503** is suitable like concrete, asphalt and typical surfaces.

3-FEATURES AND ADVANTAGES

- Extremely Attractive Surfaces
- It is resistant to weather conditions as 50+100° C
- Maximum Carrying power
- Compatible for every kind agrega stones
- Creating a pervious surface
- Environmentally friendly and it does not pose a threat to human health

- Extremely durable, Resistance to breakage and explosion is high
- Does not restrict the growth of grass
- Solvent-free and odorless
- Compatible for indoor and outdoor
- Ultraviolet rays does not change color
- Atmospheric moisture cures the resin

4-APPLICATION

Primary application:

Asphalt or concrete floor with fixed slopes are first cleaned of all types of dust, dirt and moisture. Then, using rollers, a primer layer resistant to ultraviolet radiation is applied on the floor (consumption m² / 0.200 kg).

It is this layer that provides a strong bond between the base floor and the floor covering material.

Binding Resin Application:

After the primary layer dries, the first application stage is cast, consisting of pebble granules 2-4 or 4-7 mm thick. First, pebbles 2-4 or 4-7 mm thick are mixed with 5% stone binder (WHITECHEM PU ST 303 or WHITECHEM PU ST 503).

Floor Coating Instruction:

In order to obtain 1 cm thickness from granules of 2-4 or 4-7 mm thickness, 17 kg pebble granules + 5% WHITECHEM PU ST 303 or WHITECHEM PU ST 503 should be used. Then the mixture is laid on the ground by compressing it with asphalt pouring machines with finisher machines.

The drying time of the formed 1 cm thick stone floor granular layer is approximately 8-12 hours. During this period, the ground should never be

entered. Thus, our natural stone floor covering with a total thickness of 1cm is prepared.

The above-mentioned finisher has a width of 3 to 5 m and is applied by hand in areas shorter than this size or in areas where it is not possible for the finisher to enter.

NOTE:

Thickness of 1 cm is the minimum values (for healthy and permanent applications, it is recommended to apply stone flooring thickness 1.5 cm.)

5-PACKAGES

15 kg metal can.

6-SHELF LIFE

9 month

Before using this product, we recommend the purchase of accelerator from manufacturer

Bases	WHITECHEM PU ST 303	WHITECHEM PU BINDER 503
Color	Dark Amber	Transparent
Appearance	® C	200
Solid content by weight	%100	%100
Density (gr/cm ³)	1,1-1,2 g/cm ³	1,0-1,1 g/cm ³
Viscosity (cps)	4000-5000 cps	1300-1500 cps
Open Time (hr)	4 hours	4 hours
Light Pedestrian Traffic Time(hr)	12-24 hour	12 hours
Full Curing Time (day)	7 days	7 days