

# POOL PROTECTOR

One component satinized coating for painting concrete pools and tanks

One component satinized coating with an high resistance from UV rays, suitable for the protection and coating of swimming pools. *Pool Protector* presents high performance, it is flexible with high resistant to abrasion, chlorinated water. It realizes a smooth and continuous coat, without joints. The product is available colored or transparent.

## BENEFITS

- Good flexibility
- Easy maintenance and cleaning
- Gives sparkle to the coated surface
- Easy and rapid to apply
- Good covering ability
- Color stability and resistance to ultraviolet light
- High resistance to abrasion
- High resistance to chemical agents presents in swimming pools
- Suitable for swimming pools disinfected by both chlorine and salt

## APPLICATION FIELDS

The product is suitable for the coating of swimming pools as it has excellent resistance to chlorinated water and to abrasion. It is used in combination with waterproofing *WATstop* (see technical data sheet). The transparent version of *Pool Protector* is designed for the coating and the protection of the cork based finish *Decork / Decorkrete* (see technical data sheets).

## YIELD

0.3 – 0.4 l/m<sup>2</sup> (101.54 – 136.24 ft<sup>2</sup>/gal) in three coats according to the roughness of the support. It is necessary to respect the expected yield, irrespective of the number of coats, to ensure a thickness able to guarantee the durability of the finish itself.

## COLOR

Available in transparent, white, light-blue and sand version.

## PACKAGING

Plastic bucket of 10 l (2.6 gal)

## STORAGE

Store the product in its original containers tightly closed, in well ventilated rooms and away from sunlight, heat, water, humidity, ice, and at temperature between +5°C (+41°F) and +30°C (+86°F).

Storage time: 12 months.

## PREPARATION OF THE SUPPORT

The support must be completely hardened, dry and resistant and perfectly levelled. The surface must be thoroughly clean, well consolidated, without debris or detaching parts.

In the corner, it should be created curvatures (“shell”) with an adequate cement mortar.

In case of dips, cracks, fissures or joints of more than 3 mm (0.12 in), regulate the surface with an adequate cement mortar. Fissures and joints of lower than 3 mm (0.12 in) cannot be levelled with *WATstop* (see technical data sheet).

The support must be totally dry, have a temperature between +10°C (50°F) and +30°C (86°F) and a relative humidity level of 75%. The potential presence of water or residual moisture will make extremely difficult the laying of floor, it compromises the aesthetic effect as well as the adhesion, and it will make a worse performance.

Before the application, it is recommended to cover each element that should not be covered.

## Coatings - acrylic

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on [www.diasen.com](http://www.diasen.com).

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## Technical data

| Features   |  | Units                                    |
|--|--|--|
| <b>Yield</b>   | 0.30 – 0.40 in three coats<br>101.54 – 136.24 in three coats | l/m <sup>2</sup><br>ft <sup>2</sup> /gal |
| Aspect   | liquid   | -  |
| Colour   | Transparent, white, light-blue and sand                      | -  |
| Dilution   | 5-10 % first coat<br>0 % further coats                       | -  |
| Waiting time between 1° and 2° coat<br>(T = +20°C/ + 68°F; R.H. 40%) | 24h – 7 days max   | hours                                    |
| Waiting time before water contact                                    | 21   | days                                     |
| Application temperature  | +10 / +30<br>+ 50 / +86                                      | °C<br>°F                                 |
| Maximum level of humidity  | 75%  | -  |
| Drying time (T = +23°C/ + 73.4°F; R.H. 50%)                          | 24   | hours                                    |
| Storage  | 12   | months                                   |
| Packaging  | 10   | l  |

\* The above data even if made in accordance with normated test methods are indicative and may be changed to vary the specific site conditions.

### WATstop + colored Pool Protector system

Wait for the complete drying of the waterproofing *WATstop* (see technical data sheet) and proceed with the application of *Pool Protector* within 24 / 48 hours.

### Decork/Decorkrete + transparent Pool Protector system

Wait until the cork-based finish *Decork / Decorkrete* (see data sheet) is completely dry and proceed with the application of *Pool Protector*. To obtain a smoother surface it is possible to sand it and carefully clean it before the application of *Pool Protector*.

### MIXING

Add 5%-10% of water only on the first coat and mix the product with professional mixer drill at low speed until obtaining a homogeneous mixture, without lumps.

A low speed avoids the incorporation of less air. After the first coat, do not dilute the following ones.

In the colored version carry on mixing until the color is uniform.

Do not add any other elements to the mixture.

### APPLICATION

1. Once *WATstop* (see technical data sheet) or *Decork / Decorkrete* (see technical data sheet) is completely dry, apply a first coat of *Pool Protector* with short-haired roller for professional coatings, brush or airless.
2. When the first coat is dry (24 hours at +20°C / +68°F and 40% of relative humidity), apply the other layers. It is recommended to apply the next coat after 24 hours and no later than 7 days after the application of the previous layer. Continue with the application of the product until reaching the expected yield.
3. Proceeding with the application of the product in several layers until reaching the expected yield.

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## DRYING TIME

At a temperature of +23°C (+73,4°F) and relative humidity of 50% the product dries completely in 24 hours.

- The drying time can significantly change according to the environmental conditions; higher temperature and environmental humidity involve a lesser drying time.
- Adequately protect the product from rain for at least two days.
- Wait at least 21 days before filling the tank (at +23°C/ +68°F and 40% of relative humidity).

## SUGGESTIONS

- Do not apply at environmental or support temperatures lower than +10°C (+50°F) and higher than +30°C (+86°F).
- During summer season apply the product in the cooler hours of the day.
- Do not apply with a relative humidity of the support higher than 5%, imminent threat of rain or ice, in conditions of strong fog or relative humidity higher than 75%.

- For the coating of the swimming pools it is necessary a seasonal check (annual in the case of containment tanks) to assess the need of a maintenance work (reapplication). The work may be necessary due to specific systems of water disinfection or cleaning with abrasive machines (robots, brushes, etc.).

## CLEANING

The equipment used should be cleaned soon with water.

## SAFETY

While handling the product always wear personal protective equipment and follow indications on the safety data sheet.

Ventilate the spaces where the product is applied and avoid heat sources.

After the usage, do not dispose packaging on the environment.



## Coatings - acrylic