

# EPOKOAT SWIMMING

Epoxy paint for the finishing of swimming pools, containment tanks for drinkable water and liquid foodstuff.

Two-components epoxy paint, to use as finishing for swimming pools (in alternative to common tiles or mosaic), drinkable water tanks and tanks containing liquid foodstuff such as wine, vinegar, milk products and oil. It realizes a smooth and continuous finishing without joints, directly applicable over waterproofing liquid systems.

## ADVANTAGES

- Suitable for the contact with drinkable water and food.
- Applicable on mosaic and tiles in combination with filler primer *Vaposhield* (see technical data sheet).
- Finishes for Diasen's waterproofing systems.
- Easy and quick to apply.
- High resistant to stagnant water.
- Excellent resistant to salts.
- Easy to clean.

## APPLICATION FIELD

The product is suitable as the final coat of swimming pools and tanks where drinkable water, food (wine, vinegar, dairy products, oil, etc.), liquids in general are contained.

## COLOUR

White, light blue, black, sand.

## YIELD

Total 0.35 – 0.40 kg/m<sup>2</sup> (0.072 – 0.082 lb/ft<sup>2</sup>).

Apply the product in two coats.

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.

## PACKAGING

Part A – 5.25 kg (11.57 lb) metal bucket.

Part B – 0.75 kg (1.65 lb) plastic bucket.

Pallet: Part A – 20 boxes (5 pieces each);

Part B – 4 boxes (25 pieces each).

## STORAGE

Store the product in its original containers tightly closed, away from sun, water, ice, in well ventilated rooms and at temperature between +5°C (+41°F) and +35°C (+95°F).

Storage time: 12 months.



Diasen srl

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UNI EN 1504-2

Products and systems for the protection and repair of  
concrete structures –

Part 2 : Protection systems for concrete surfaces

Water vapour permeability:

μ = 4630



For application videos,  
product page, safety data  
sheet and other information.

## Coatings - Epoxy

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Therefore, before using this product, we recommend in any case to perform preliminary tests with the purpose of verifying the complete suitability for the intended use. In case of uncertainties and doubts contact our technical office. This sheet supersedes any other previously released.

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## Technical Data

Features		Units
<b>Yield</b>	0.35 – 0.40	kg/m <sup>2</sup>
	0.072 – 0.082	lb/ft <sup>2</sup>
Aspect	liquid	-
Colour	White, light blue, black, sand	-
Dilution	if necessary dilute with at max of 10% of ethylic alcohol	-
Application time (pot life) at 20°C (68°F); R.H. 40%	2	hours
Waiting time between 1° and 2° coat (T=20°C / 68°F; R.H. 40%)	between 6 and 24	hours
Application temperature	+15 / +35	°C
	+59 / +95	°F
Maximum level of humidity	70%	-
Drying time (T=20°C / 68°F; R. H. 40%)	48	hours
Storage	12 month in its original containers and in dry places	months
Packaging	Part A – 5.25 (11.57 lb) metal bucket; part B – 0.75 (1.65 lb) plastic bucket	kg / lb

Final performances		Units	Legislation	Results
Resistance to strong acids	-	-	-	excellent
Resistance to chlorine	-	-	-	excellent
Resistance to salts (NaCl)	-	-	-	excellent
Resistance to lactic acid	-	-	-	excellent
Resistance to acetic acid	-	-	-	excellent
Resistance to stagnating solvents	-	-	-	excellent
Resistance to freeze-thaw cycles (-15°C/+15°C)	50 cycles (-15°C/+15°C)	-	EN 202	inalterated
Resistance to stagnant water	-	-	-	excellent
Taber Test abrasion resistance (1000 revolutions with wheels CS-10)	112	mg	ASTM D 4060	-
	0.00025	lb		
Wet wipe test and cleanability	-	-	EN ISO 11998	excellent
Water vapour permeability	μ = 4630	-	EN ISO 7783	-

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

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## PREPARATION OF SUPPORT

The support must be completely hardened, dry and resistant. The surface must be thoroughly clean, well consolidated, without debris or detaching parts. Don't use gasoline or diesel to clean the surface. If the surface is highly ruined, a mechanical cleaning is recommended.

Seal possible cracks, repair damaged parts and close any porosity before the product application. Level the surface and realize round angles on sharp edges.

Before the application of the product, it is recommended to protect every element that will not be covered.

### Concrete

In case of damaged and crumbly concrete is recommended the restoration with mortar *Buildfix CLS* (see technical data sheet).

On substrates for basements or moist supports, apply primer *Vaposhield* as a vapour barrier (see technical data sheet).

### Coatings with tiles or mosaic

On coatings with mosaic or tiles it is necessary to plaster or prime the support with *Vaposhield* primer (see technical data sheet).

Given the wide variety of tiles on market, it is recommended to make a test to check the perfect adhesion of *Vaposhield* on the support.

For supports not present in technical data sheet, contact Diasen Technical Assistance Office.

## MIXING

Depending on the absorption degree of the support and the environmental conditions, it is recommended to dose the right amount of ethyl alcohol that is necessary to obtain the proper adhesion. The amount of ethyl alcohol specified is approximate.

Perfectly mix the two components (A+B) of *Epokoat Swimming* until obtaining a homogeneous mixture. Use all catalyst (part B) for a full reaction. If necessary dilute with at maximum of 10% of ethyl alcohol. Use a professional mixer. Never add other aggregates. Once mixed, the product must be used within two hours, after this time it could quickly deteriorate.

## APPLICATION

1. If there are joints seal them with *Diaseal Strong* (see technical data sheet).
2. Waterproof the swimming pool or the containment tank with *Vaposhield* (see technical data sheet).
3. When *Vaposhield* is completely dry, apply a first coat of *Epokoat Swimming* with short haired roll.
4. Once the first coat is dry (about 6 hours and not at 20°C [68°F] and 40% of relative humidity level), apply a second coat. In case of rain, over a not perfectly dry product, carefully verify the suitability of the next coating. For a better result and a more homogeneous coating, it is recommended to cross the coats.
5. Do not wait more than 24 hours between the application of the first and second coat. Once dry, the product becomes very smooth and it is not possible to guarantee a perfect adhesion of the second coat.

## DRYING TIME

At a temperature of 20°C (68°F) and 40% of relative humidity level, the product dries in 48 hours.

- If applied inside tanks or in few ventilated areas, the drying time can considerably increase. Therefore, it is recommended to use industrial fans.
- Protect adequately the product from rain for at least 7 days.
- Wait at least 7 days before filling the tank (at 20°C [68°F] and 40% of relative humidity level).
- Drying time is influenced by relative humidity level and by temperature and may change significantly. If applied with a higher yield than the expected one, the drying time could significantly increase.

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## SUGGESTION

- Do not apply at environmental temperatures lower than +5°C (+41°F) or higher than +30°C (+86°F).
- During summer season apply the product in the cooler hours of the day.
- Do not apply with imminent threat of rain or ice, in case of strong fog or relative humidity level higher than 70%.
- Apply *Epokoat Swimming* on completely dry substrates.
- 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

Wash tools with nitro diluent.

## SAFETY

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



## Coatings - Epoxy

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