



**INNOVACHEMICAL**  
a green company for a better world

## TECHNICAL DATA SHEET

### Pools xCem

- Coating without joints for swimming pools
- Finished thickness from 2 to 4 mm
- High resistance under water
- High resistance to chemical products
- Excellent adhesion on any support
- 4 components
- Rustic sand effect finish
- Turquoise green waters
- Indoor and outdoor

## Pools xCem INNOVA

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Pools xCem INNOVA is a continuous material without joints, ideal for coating swimming pools, whether they are newly built or renovated old pools. With the application of this product, you will achieve a unique sensation due to its sand color and will create a spectacular turquoise green effect in the water.

Pools xCem INNOVA can be applied in the interior of swimming pools, coping stones, showers, outdoor terraces, etc.

Pools xCem INNOVA is a thin, 4-component, solvent-free epoxy mortar.

This mixture contains waterproof additives that give our coating an excellent hardness. It is completely waterproof under both direct and indirect water pressure and has a high resistance to moisture and chemicals.

Pools xCem INNOVA can be applied on walls and floors of swimming pools, stairs and curbs, interior and exterior floors and in general, anywhere that receives or contains water.

It can be applied even with a certain degree of humidity in the support (humidity of the concrete <6 %). Its application on ground floors or terraces is ideal to cut capillary humidity coming from the subsoil.

### ADVANTAGES

- Unique pools. Turquoise green watercolor.
- Possibility of finishing the pool, regardless of its size in 1 day.
- Great resistance to chemical products (chlorine, salt, etc.).
- Easier cleaning of algae and organisms as there are no joints.
- It does not burn, on pool curbs or terraces you can walk barefoot in direct sunlight.
- Maintenance free.

### INDICATIONS

Pools xCem INNOVA is indicated:

- As a capillary moisture blocker or capillary moisture soils.

## Pools xCem INNOVA

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- For filling fissures or cracks.
- For repairing cracks that cause water loss in swimming pools.
- As interior lining of swimming pools, coping stones, showers, bathtubs and pavements and interior or exterior walls.

### PREPARATION OF THE SURFACES

The surfaces must be resistant and stable and must be clean and free of dust, grease, paint or in bad condition, lime, earth, badly glued tiles, loose tiles and any material that hinders its adherence.

Chipped paint or old chlorinated rubber in bad condition must be completely removed before the application of Pools xCem INNOVA.

The application of Pools xCem INNOVA will be carried out in a thin layer of 2 to 3 mm, so the supports where Pools xCem INNOVA will be applied must not have large areas with cracks, holes, missing tiles or gresites, etc.

You must first fill these areas with Pools xCem INNOVA and wait for it to dry completely before applying the final coat.

The tile joints in swimming pools must be perfectly filled and must not have any cracks. If you need to grout the pool you can use Pools xCem INNOVA and you do not need to clean the tile when you apply it.

### POOLS XCEM INNOVA MIXING INSTRUCTIONS

Pour Component A, Component B and Component C into the empty bucket provided for mixing.

Mix the three components by mechanical means until a perfect homogeneous mixture is obtained and a homogeneous cream color is obtained.

Over the previous mixture of A+B+C, pour the content of Component D (powder) little by little and mix it by mechanical means until you have a homogeneous mixture without lumps.

## Pools xCem INNOVA

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### APPLICATION INSTRUCTIONS

Start applying the first layer of Pools xCem INNOVA in sections with a steel trowel, in an orderly manner, in layers of 2 to 3 mm, making sure to cover all the joints of the tile and/or completely cover the entire surface.

Pools xCem INNOVA should be applied in a single layer. It is therefore important to leave the entire surface well covered so that the bottom is not visible and the tile joints are not noticeable.

Maximum during the following 10 minutes after having applied the layer of Pools xCem INNOVA (while the layer is still fresh, without drying) apply ANTILEAK INNOVA with a short nap roller. This application is made over the entire applied surface, exerting a little pressure with the wet roller and going over the entire application to remove trowel marks and imperfections until a smooth cement finish is achieved.

Dampen the roller as many times as necessary with ANTILEAK INNOVA when you notice that the roller is drier or Pools xCem INNOVA sticks to the roller. In areas where the roller cannot work, smooth ANTILEAK INNOVA with the help of a sponge.

The application of ANTILEAK INNOVA should always be done when Pools xCem INNOVA is fresh (just applied a few minutes after its application).

If too much time has passed since its application, the roller will not smooth. In any case, the roller must never be too dry, it must always be well soaked in ANTI LEAK CIMENTART to perform the application.

ANTILEAK INNOVA is a product that is supplied ready to use, it is not advisable to dissolve it with any product, as it would lose its properties.

\*If you wish to apply the product in 2 layers, you can also do it. Apply each layer with a minimum thickness of 2 mm and an interval of 24 hours between coats.

### COVERAGE

As a jointing material: The approximate Yield per layer is  $1 \text{ kg} / 1 \text{ m}^2$  / layer of  $1.5 \text{ mm}$

## Pools xCem INNOVA

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As an applied finishing material: The approximate Yield per layer is ffl 5 kg / 1 m<sup>2</sup> / ffl2/3 mm layer.

### PACKAGING FORMAT

15 kg Kits.

### STORAGE

24 months, in a dry places protected from outdoor climate, the product been on the hermetically closed container.

### TECHNICAL DATA

Presentation

Comp A: yellow viscous liquid  
Comp B: clear viscous liquid  
Comp C: transparent liquid  
Comp D: waterproof powder aggregate

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Wear resistance BCA UNE-EN 13892-4:2003

20 µm

Density

1,9 kg/lt

Mixture Color

Sand beige

Adhesion resistance UNE-EN 13892-8:2003

3,6 N/mm<sup>2</sup>

Resistance to chemical agents, UNE-EN 13529

Chlorinated water: no change\*

Resistance to chemical agents, UNE-EN 13529

Salt water: no change\*

Impact resistance UNE-EN ISO 6272-1:2012

>14,7 Nm

Determination of surface hardness UNE-EN 13892-6

At 1500 mm impact without defects

81 N/mm<sup>2</sup>

Water penetration under direct pressure 5 bar UNE-EN 12390

0 mm (No water penetration)

Water penetration under indirect pressure 5 bar UNE-EN 12390

No appearance of humidity or water on the surface

Slipperiness for traffic UNE 41901 EX

C3

Reaction to fire

Bfl S1

## Pools xCem INNOVA

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Life time of the mixture	Approx. 20 minutes, depending on ambient conditions
Accessibility	10 hours
Soaking or filling of the swimming pool	5 days after completion of application
Coverage	1.2 kg/ m2 / mm thickness
Packaging format 15 kg kits	Comp A: 4.40 kg Comp B: 990 gr Comp C: 500 gr Comp D: 9.1 kg
Transportation	Material considered non-hazardous
Expiration	24 months from date of manufacture
Storage	Dry and ventilated places, keeping the original containers closed.

\*According to tests carried out in an approved laboratory on water with PH 7.2 and 0.2 gr of chlorine per 1000 lt of water and on salt water with PH 7.2, with 4 kg of salt per 1000 lt. Stronger concentrations of chlorine, bromine, magnesium, acids, flocculants and other chemicals may affect the finish, stability or shade of the material.

### **PRECAUTIONS BEFORE STARTING POOLS XCEM INNOVA APPLICATION**

Do not apply with risk of freezing or if there is risk of rain during the application or in the following 4 days.

Do not apply at temperatures below 5°C or above 35°C.

The surfaces must be resistant and stable and must be clean and free of dust, grease, paint in poor condition, lime, dirt, poorly glued tiles, loose tiles and any material that hinders its adhesion. The Gresite (glass mosaic) pools must be perfectly joined.

There is a possibility that, with the passage of time, due to the action of chlorine, changes in the pH of the water, salt, lime and in general due to the contact of Pools xCem INNOVA with chemical products and the sun, a visible discoloration may occur in the waterline of the water. To avoid this, you can place stone or ceramic tiles on the waterline of the pool.

## Pools xCem INNOVA

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### **PRECAUTIONS DURING POOLS XCEM INNOVA APPLICATION**

You must protect with tape squimmers, water impellers, drains, etc. and you have to remove the tape when the product is still fresh. Never leave the tape in place and allow the product to dry completely.

Mix Component A + B + C and then add Component D (powder) little by little, never add Component D all at once and then try to mix. Mix the 4 components without leaving too much time between them.

The mixer you use for mixing should be industrial or professional. Do-it-yourself drilling machines are not suitable for mixing.

It is recommended always and in any case (application in swimming pools or pavements) and whenever possible, that the complete application is done in the same day, so that no joints or splices are noticed.

The application of Pools xCem INNOVA should be done by several people. A minimum of 3 people is recommended for an application of approximately 50 m<sup>2</sup>.

The useful life of the mixture once it has been applied is approximately 20 minutes. Once the Pools xCem INNOVA mixture begins to harden in the container, do not continue with its application, since the product will not have the same adherence.

Avoid applying Pools xCem INNOVA in situations of extreme heat or strong direct sunlight. Temperatures above 30°C will greatly accelerate drying.

The applied coats should be started and finished without stopping. Never leave a coat in the middle, once started, continue until its completion without stops, so that no cuts, joints or seams are noticed.

The purpose of applying ANTILEAK INNOVA is to smooth and remove trowel marks and imperfections so that a smooth mortar is left. It is not intended to make an ultra fine finish with the application of this product.

ANTILEAK INNOVA should always be applied when Pools xCem INNOVA is fresh (just applied within a few minutes of application). If too much



## Pools xCem INNOVA

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time has passed since its application, the roller will not smooth. In any case, the roller must never be too dry, it must always be soaked with ANTILEAK INNOVA to perform the application. In the case of applying the roller in some areas soaked and in other areas very dry, it may cause visible roller marks and slight color changes.

During the application, avoid air currents that can bring dust, leaves or any type of dirt, since they may cause them to adhere to the product.

### **PRECAUTIONS AFTER THE APPLICATION OF POOLS XCEM INNOVA**

You need 5 days to fill the pool or wet the surface. Never do it before 5 days.

1 day after the pool is completely filled with water, add the water maintenance product. Under no circumstances add the water maintenance product while the pool is being filled.

Subsequently, never add any water maintenance or treatment product (chlorine, bromine, salt, maintenance products, flocculants, etc.) directly, without first diluting it with water. We recommend that you read the manufacturer's exact instructions and do not add more than the amount needed. This may affect the final finish and discoloration may occur.

Do not place chlorine tablets or salts directly on the pool floor or resting on the ladder floor. This may cause color changes. Chlorine tablets should be placed in the pool squimmer.

Any liquid or granular product should be diluted with water and poured into the squimmer with the pool filtering system running and the selector valve in the re-circulation or filtration position.

We recommend maintaining a pH of 7.2 in the water.

Use the appropriate PPE (EPIs) , such as clothing, gloves and mask to apply the products.

The tools and working tools are cleaned with universal solvent.



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INNOVA CHEMICAL SL. Our systems are based on the research carried out in our laboratories and years of practical experience. We guarantee that our products are manufactured, packaged and labeled under the guidelines of ISO 9001:2015.

We decline any responsibility if the result is affected by factors beyond our control.

The end user must verify that the product supplied meets the needs for which it is going to be used, and must carry out a preliminary test in each case that is necessary.

Revision date: 04-06-21.

The present edition of this technical sheet cancels the previous ones.

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