

DESACTIV +

SURFACE SET RETARDER



1. PRESENTATION

DESACTIV + is a **coloured liquid concentrate** that allows the execution of decorative cement coatings with apparent gravel by delaying the setting of concrete over a depth of several millimetres. The formulation of **DESACTIV +** is enhanced with a **curing compound** so it can adapt to particular weather conditions.

2. ADVANTAGES

- Economical as a concentrate.
- Stable over time, even after dilution.
- Sprayable.
- Coloured for better visual control.
- No dripping for applications with a gradient.

3. AREAS OF APPLICATION

DESACTIV + is particularly suitable for the development of outdoor ground structures such as:

- Roads and pavings.
- Surfaces with exposed aggregate.
- Motorway safety barriers made of deactivated concrete.
- Concrete floors (square, footpaths).

DESACTIV + results in a concrete with the following characteristics:

- Washed gravel appearance.
- Better resistance to stress caused by traffic.
- Reduces the risk of slipping thanks to its anti-slip properties.

4. INSTRUCTIONS

Recommendations:

It is always recommended to thoroughly moisten the subgrade before concreting so as to prevent cracks.

Example of dosage for producing deactivated concrete:

Cement CPJ CEM II A 42.5	35.0 kg
Sand 0/4 mm	42.0 kg
Fine gravel 4/8 mm	10.0 kg
Fine gravel 8/16 mm	138.0 kg
Total water	17.0 kg

Smooth the concrete surface with a screed board and trowel.

Achieve the appropriate dilution of **DESACTIV +** according to the dilution table.

Homogenise the product before use and evenly in the sprayer.

As soon as the bleed water disappears from the surface of the concrete, spray **DESACTIV +** as a uniform and even coat over the entire surface at a rate of 1 L for 5 m².

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Important:

- Establish a control area with application of **DESACTIV +** to check how deactivation progresses and thus determine the right moment for rinsing.
- The cement type and dosage affect the rate at which concrete sets. The use of a faster setting cement or the formulation of concrete richer in cement reduce the etching depth. The use of synthetic fibres **DORTHZ FIBRES MONO** is advisable to increase the cohesion of the concrete to be deactivated and to facilitate implementation.

Washing of concrete:

Washing is done once the concrete has hardened, generally within 24 hours after applying the product.

It is performed using a cold water booster pump at a pressure of 100 bar.

The operator shall be careful to maintain the nozzle 20 to 60 cm from the concrete surface.

The jet will make a 45° angle with the surface of the concrete to be deactivated.

Once hardened through (usually 6 to 24 hours), brush and wash the concrete surface using a water jet.

During periods of very hot weather, it is recommended to reduce the waiting time before washing, for example:

- Pouring in the morning and washing in the evening (approx. 6 hours)
- Pouring in the evening and washing the next morning (approx. 15 hours).

In order to prevent solid residues (cement, sand) from entering flow systems during the washing process, it is recommended to:

- Direct water to an artificial sump that can then be emptied with a backhoe.
- Interpose a low wall of gravel to filter the water before it reaches the sewer.

Apply an antifouling product like **HYDROLEOSOL** or **HYDROLEOSOL MOUILLE** after 10 days of drying.

Dilution table

Dilution required	Grain size of aggregate intended to be visible	Erosion depth	Desired surface finish
DESACTIV + undiluted	8/12 mm	3.0 mm	Medium deactivation
1 L of DESACTIV + for 1 L of water	4-8/10 mm	2.0 mm	Fine deactivation
1 L of DESACTIV + for 3 L of water	2-4/8 mm	1.0 mm	Worn concrete
1 L of DESACTIV + for 9 L of water	0-4/8 mm	0.2-0.5 mm	Micro deactivation

Erosion depths indicated are for information only. They depend on the cement, the water/cement ratio, the aggregates, etc. It is recommended to perform a preliminary test.

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Dilution required	Nb of m ² achieved
DESACTIV + undiluted	5.00
1 L of DESACTIV + for 1 L of water	10.00
1 L of DESACTIV + for 3 L of water	20.00
1 L of DESACTIV + for 9 L of water	50.00

Application:

Application temperature	: Between +5°C and +35°C
Application equipment	: Spray (flat-fan nozzle)
Cleaning of the equipment	: Water (do not allow to dry)
Thinner	: Water

5. CHARACTERISTICS

Appearance in container	: Salmon pink liquid
Density	: 1.01 ±0.05 g.cm ⁻³
Dilution	: See table
Yield	: 0.20 L/m ² or 5 m ² /L
VOC (Directive 2004/42/EC)	: EU limit value for this product (cat. A/h)*: 30 g/L (2010). : This product contains 1g/L maximum.
Shelf life	: 1 year in its unopened original packaging

(For more information, please refer to paragraph 9 of the safety data sheet).

6. SAFETY OF USE

- See the product's Safety Data Sheet at www.quickfds.fr.
- Store away from frost.

The details provided in this Data Sheet are given in good faith, for information purposes only. They shall not in any case constitute a guarantee on our part, or engage our responsibility when using our products. This Data Sheet supersedes all previous versions. Compagnie France Chimie reserves the right to make changes to its products without prior notice.

Product solely intended for professional use.