

SOPRADVANCE CONCRETE COMPOUND

Description

SOPRADVANCE CONCRETE COMPOUND is a fast-curing sealer used on damp concrete substrates.

Material

3-component, fast-reactive, fast-curing resin with a mixture of cement based fillers.

Properties

- can be used on damp concrete substrates
- easy to apply
- fast-curing
- very good adhesion on absorbent substrates
- resistant to rising moisture
- hydrolysis and alkali resistant
- functions as a moisture barrier

Application

SOPRADVANCE CONCRETE COMPOUND is used for the pre-treatment of damp, including newly poured 7 days old, concrete substrates in preparation for the subsequent application of a bituminous SOPREMA waterproofing system.

SOPRADVANCE CONCRETE COMPOUND forms a barrier against capillary rising moisture on concrete substrates with high residual moisture content.

SOPRADVANCE CONCRETE COMPOUND cannot be used as a moisture barrier below the waterline.

Packaging

18,6 kg **Part A** (resin)
10,0 kg **Part B** (cement based filler)
28,6 kg

The kit is supplied without activator.

Storage

Store in original sealed packaging in a cool, dry and frost-free place. Avoid warm storage areas (> 30 °C) even for brief periods, for example on site. Consequently, the products must not be exposed to direct sunlight or kept in a vehicle. Unopened products have a shelf life of at least 12 months. After opening, reseal the packaging so it is completely airtight.

SOPREMA reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

Product application

Temperature

Application temperature (°C)		
Air	Substrate *	Resin
0 to +35	+5 to +25*	+5 to +25

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

Moisture

RH air: ≤ 90 %

Moisture content substrate ≤ 6 %.

The surface must be protected from moisture until the sealer has hardened.

Required amounts of activator

The following table indicates the recommended amount of activator required to adjust the curing reaction to the temperature.

Substrate temperature (°C)	Amount of activator (%)	Amount of activator (kit 28,6 kg) (g)
+5	2	572
+10	1,5	429
+15	1,2	343
+20	1	286
+25	0,7	200

Reaction times

	SOPRADVANCE CONCRETE COMPOUND (20 °C, 1 % activator)
Pot life	±10 min.
Rain proof after	±30 min.
Can be walked on / over coated after	±45 min.
Curing time	±3 h.

Higher temperatures or greater proportions of activator will reduce reaction times, while lower temperatures and smaller proportions of activator will increase reaction times.

Consumption

Depending the nature of the surface 0,8 to 1,2 kg/m² is used.
In some cases the consumption can be higher.

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Application conditions

Application equipment / tools

Mixing of the product:

- suitable mixer (ex. paint mixer)

Applying of the product:

- rubber squeegee
- brush

Substrate preparation

SOPRADVANCE CONCRETE COMPOUND must only be applied to a sufficiently set and prepared substrate.

Please refer to the appropriate application guide for information about correct surface preparation.

Mixing

First stir the resin compound (part A) thoroughly and mix in the cement based filler (part B). Stir for at least 5 minutes until a smooth consistency without lumps is achieved. Make sure that all material on the side and base of the pot is mixed in. In order to ensure this, it may be useful to re-pot the mixture and stir again.

Now add the activator whilst stirring at a low speed for 2 minutes. Make sure that all material on the side and base of the pot is mixed in. At temperatures below +10 °C the product should be stirred for 4 minutes as the activator will take longer to dissolve.

Application

Use a rubber squeegee to apply an even coat. Immediately work the sealer well into the surface.

It is essential that the product is worked well into the surface to ensure good adhesion to the substrate.

Cleaning

When work is interrupted or completed, clean the tools thoroughly with the recommended cleaning agent from SOPREMA within the pot life of the material (± 10 minutes). This can be done with a brush. Do not use the tools again until the cleaning agent has fully evaporated.

Simply immersing the tools in the cleaning agent will not prevent the material from hardening.

Special indications

Hygiene, health and Environment

For more information, please refer to the relevant safety data sheet.

Quality and Environment Management

SOPREMA has always attached the highest importance to the quality of the products and the environment.

For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.



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**SOPREMA**

Waterproofing solutions

TECHNICAL DATASHEET

BETF-WPLBE0006.a/EN

General information

The above information, in particular the product application information, is based on extensive development and many years of experience. It's provided to the best of our knowledge. However, the wide range of requirements and conditions on site means that it may be necessary for the product to be tested under those conditions to ensure that it is suitable for the intended purpose. For further information and questions, contact **SOPREMA**.

Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology and improvements to our products.



Marnix DERKS
Technical Director
Grobbendonk, 16/06/2017

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