

COLORFRESH® *intensiv*

Protective coating for concrete

- water-, oil- and dirt-repellent
- creates a light, silky shine and enhances colours



Fields of application:

For the protection of decorative/architectural/aesthetical concrete used for walls and floors, e.g. cast-in-place concrete, precast concrete elements, artificial stone, paving stones etc., which require protection against soiling, efflorescence, loss of colour, corrosion, weathering, frost etc. Suitable for indoor or outdoor application. Applicable on all absorbent concrete with a fair-faced surface (smooth form finish or formliner textured), or rough finishes (exposed aggregate, acid-etched, shot-blasted, bush-hammered ...), e.g. architectural concrete, decorative concrete flooring or walls, concrete used for garden and landscape construction etc.

Product characteristics:

- solvent-free
- acrylic-based
- colour enhancing
- creates a light, silky shine
- dirt-repellent
- breathable
- alkaline-resistant
- applicable on moist and dry surfaces
- long lasting
- non-adhesive
- fast drying
- low consumption rate per m²
- UV-resistant (BAUTEST test certificate no. A 1014b/90)/CO₂-barrier (BAUTEST test certificate no. A 1014/90)
- CE declaration of performance available for applications in accordance with EN 1504-2 (Products and systems for the protection and repair of concrete structures)

Advantages:

- user-friendly (water-based)
- water, oil- and dirt-repellent
- protects against efflorescence
- weather-resistant
- protects against frost
- protects against colour fading
- intensifies concrete colour
- applicable on fresh/green concrete
- applicable immediately after surface finishing, e.g. exposed aggregate, acid-etched, sand-blasted, polished ...
- applicable on new and on older surfaces
- suitable for "in-line" application
- no delays prior to application, as no concrete drying time is necessary
- protects against air pollution resp. against corrosion caused by CO₂
- long term durability and high resistance to abrasion
- low additional cost per m²

Instructions for use:

The surfaces to be protected may be moist (no standing water) or dry. The surface should be absorbent, clean, dust-free and frost-free and should offer sufficient adhesion. Old resp. weathered surfaces should be cleaned thoroughly beforehand so that no residue remains. If suitable, we recommend the application of HEBAU CEM-CLEAN (see instructions for application in the technical information sheet, pilot tests necessary). **COLORFRESH® intensiv** should be applied economically in a one-coat application with a suitable roller, brush or spray-gun and is applicable for both horizontal and vertical surfaces.

The application of **COLORFRESH® intensiv** on fair-faced concrete with a "smooth form finish" demands high standards in the application procedure in order to allow good surface penetration and adhesion by avoiding release agent residue, dirt, dust or micro cracks.

When applying to vertical surfaces **COLORFRESH® intensiv** should always be applied from the bottom to the top in a zigzag movement! By horizontal application no puddles should occur. Parts which are not to be protected (e.g. windows) should be covered/taped. The treated surfaces should be protected against rain and frost during the drying time (approx. 24 hours). **COLORFRESH® intensiv** should not be applied by temperatures below +5°C. Avoid direct sunlight during application, e.g. if applied outdoors during high ambient conditions.

By the application of **COLORFRESH® intensiv** in standard production lines of prefabricated concrete, for example terrazzo tiles and similar, and directly "in-line", meaning immediately prior to packaging, it should be ensured that the surfaces to be treated are suitable and free of processing residue. HEBAU technicians will be pleased to check your individual set-up, also regarding the drying, packaging and storing situation and will give a certain testing recommendation accordingly. A fully automatic spraying device has been specially developed for this product, and can be offered through HEBAU on request.

Surfaces with a grinding finish and any other similar surface showing low absorbency must be tested for sufficient absorption of **COLORFRESH® intensiv**.

Soiling which occurs on surfaces previously protected by **COLORFRESH® intensiv** should be cleaned off immediately (especially aggressive soiling, e.g. red wine). It is usually sufficient to use warm water and a brush resp. a high pressure sprayer. A soft household cleaning agent may be added if necessary. If a chemical agent is used for the cleaning, for example to remove stains off concrete paving, it is possible that this results in a visible roughening of the surface.

In order not to impair the function and interaction of the **COLORFRESH® intensiv** with the surface, no water-repellent/hydrophobic additives/admixtures should be used in the concrete. We therefore exclude any liability for defects which are based on the processing methods and the concrete mix designs used.

Please note, that it is always necessary to carry out pilot tests which realistically correspond to the planned production process and application procedure. When applying to outdoor surfaces, testing should also take the natural weathering into account and allow for an adequate period of observation.

General information:

The durability of the **COLORFRESH® intensiv** coating depends on a large number of parameters (concrete mix design and surface, application, weather ...) but usually lies between 5 and 10 years. If a fading of the protective effect is noticed, we recommend the cleaning and subsequent re-coating of the surface with **COLORFRESH® intensiv**.

Surfaces with a grinding finish may show an increased roughness after the application of **COLORFRESH® intensiv**.

Constant contact with rubber/plastics which contain softening agents, e.g. tires, floor mats etc. may impair the **COLORFRESH® intensiv**.

Consumption:

Depending on the absorbency of the surface approx. 120 gr/sqm.
By application according to DIN EN 1504-2 upto 400 gr/sqm.

Packaging:

10-30-120-200-1000 litre
pail/drum/barrel/IBC bulk-container

Storage:

Store inside a suitable warehouse (not outdoors).
Protect against frost. Can be stored in original, closed container for approx. 12 months.

Protective coating agents



	COLORFRESH® intensiv	COLORTEC® Max	COLORTEC® finish	PROWALL® anti-graffiti coating
Fields of application:				
concrete	■	■	■	■
natural stone	O	■	O	■
flooring	■	■	O	-
walls	■	■	■	■
indoor	■	■	■	■
outdoor	■	■	■	■
Suitable for following types of concrete:				
prefabricated (precast) elements	■	■	■	■
cast-in-place (ready mixed) concrete	■	O	■	■
self-compacting (self-levelling) concrete	■	■	■	■
dry-cast concrete paving/walling (pavers, blocks, bricks, slabs, tiles ...)	■	■	O	O
cast stone	■	■	■	■
wetcast concrete	■	O	■	O
terrazzo tiles + in-situ terrazzo	■	■	O	O
stamped concrete	■	-	-	-
Suitable for following types of surface:				
smooth form-finished or structured by formliner	■	O	■	■
acid-etched	■	■	O	■
sand-blasted / shot-blasted	■	■	■	■
exposed-aggregate	■	■	O	■
bush-hammered	■	■	■	■
polished / grinded	■	■	O	■
Characteristics:				
invisible	-	■	■	■
colour-enhancing	■	-	-	-
creates a silky shine	■	-	-	-
water-based / solvent-free	■	■	■	■
breathable / permits water vapour diffusion	■	■	■	O
water-repellent / hydrophobic	■	■	■	■
oil-repellent / oleophobic	■	■	-	O
UV-resistant	■	■	■	■
applicable on dry surfaces	■	■	■	■
applicable on moist surfaces	■	■	■	-
Protects against:				
efflorescence	■	■	■	-
freeze-/thaw damage	■	■	■	■
soiling by installation on construction site	■	■	■	■
food and oil-spills	■	■	-	O
general soiling/staining	■	■	■	■
formation of moss and algae	■	■	■	■
weathering, loss of colour	■	■	■	■
graffiti	-	O	-	■
Application:				
by sprayer, brush, roller ...	■	■	■	■
suitable for automatic spraying systems	■	■	O	O
suitable for UV- and/or IR drying systems	■	■	O	-

Symbol explanation: ■ applicable/suitable O partially applicable/suitable - not applicable/suitable

Protective coating agents

Application examples with **COLORFRESH® intensiv**



Left at the bottom: unprotected Right at the top: protected
COLORFRESH® intensiv is colour enhancing and creates a light, silky shine



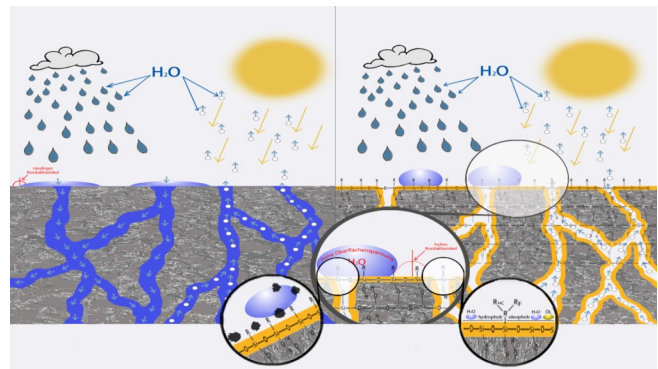
Left: unprotected,
water penetrates surface.

Right: protected,
water is repelled.



Left: unprotected,
water penetrates the surface
Photo shows a micro exposed concrete surface

Right: protected,
water is repelled.



Left: unprotected
Detailed explanation in brochure "surface protection".

Right: surface protected

Sample text for invitations to tender:

Protect concrete surface against weathering, resp. general soiling, moss etc. through hydrophobic protective coating etc., with

COLORFRESH® intensiv from HEBAU GmbH,

or equivalent protective coating for high-quality concrete.

Optical effect after drying: creates a light shine and enhances colours

Application: in one step, see instructions for application.

Consumption: depending on the absorbency of the surface, approx. 120 ml/sqm.

Surface in sqm:

Legal notice:

The technical information contained herein, in particular relating to the function, use and handling of our products, is given to the best of our knowledge and is based on our present knowledge and experience of the products when appropriately stored and handled, and applied under normal conditions in accordance with the standard fields of application, as described in page 1. Due to the large variety of possible use and application scenarios, this data sheet raises no claim to completeness, but is solely intended to provide a non-binding decision support, which needs to be reconfirmed by the end-user through pilot tests. Pilot tests are always necessary and should be carried out following the advice given in the current Product Data Sheet and under realistic practical conditions, i.e. conditions must realistically correspond to the planned production process and application procedure. Case-related acquired knowledge is not directly transferable to similar applications. Product specifications are subject to alterations without notice.

Only the most recent issue of the Product Data Sheet is valid, which will be supplied on request or can be found on our website under www.hebau.de. Illustrations in our data sheets, brochures etc. are merely exemplary and not binding. Photos may have been edited.

We guarantee for the perfect quality of our material according to our specifications. We do not take any liability resp. warranty for the desired end result, as we solely act as supplier of the products and the application of the products and other influencing factors are beyond our control and our field of responsibility.

Usual precautions and actions when handling chemicals should be observed (e.g. no eating, drinking, or smoking at the place of work). Additional instructions, which can be found on the corresponding product labelling or in the Safety Data Sheet, must be observed. If you do not have a copy of the current Safety Data Sheet, we will be pleased to send you one.

Our General Terms and Conditions apply. This information is valid for professional users. Our products are not recommended for private end-users.

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