

COLORTEC® finish

Protective coating for smooth, form-finished concrete surfaces

matt (invisible) finish · water- and dirt-repellent · solvent-free

Fields of application:

COLORTEC® finish was especially developed for application on so-called fair-faced concrete, also called smooth, form-finished concrete or formliner-textured concrete, which is produced as precast concrete elements or in-situ by using ready-mixed concrete.

COLORTEC® finish is used for the protection of concrete surfaces which fulfil optical and aesthetical requirements and therefore require protection against weathering and pollution. These are especially wall surfaces in indoor and outdoor areas.

COLORTEC® finish creates a water-repelling function and therefore protects the concrete surface against pollution/dirt, efflorescence, freezing damage, weathering, fading of the colour etc. and preserves the aesthetical value of the concrete surface long-term. For the protection of concrete with a special surface finish, e.g. sand-/shot-blasted, exposed-aggregate, acid-etched ..., we recommend the products **COLORFRESH® intensiv**, **COLORFRESH® effect** or **COLORTEC® MAX**.



Left: not protected

Right: protected with COLORTEC® finish

Foto shows concrete surfaces after long time of outdoor weathering

Product characteristics:

- solvent-free
- water- and dirt repellent
- invisible
- very fast, safe and easy to apply
- especially suitable for smooth, form-finished, or formliner-structured concrete
- also applicable onto existing concrete structures
- breathable (unlike standard sealants)

Advantages:

- protects against efflorescence
- protects against weathering and aging effects
- increases freeze resistance
- no special tools necessary for application (brushable/sprayable)
- protects against fading of concrete colour
- UV-resistant
- long durability

Instructions for application:

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.

The concrete surface should be dry, absorbent, clean and frost-free.

The product **COLORTEC® finish** can be applied early, a few days after demoulding, if tested appropriately prior to application. Due to the existing and constantly advancing diversity of the concretes used, resp. their production processes, ingredients, release agents etc. the ideal time for application must be determined each time in pilot tests, for example in order to check if residue of mould release agents or curing agents avoid the penetration of **COLORTEC® finish**, which could then lead to stains. These aspects are usually of minor relevance, if **COLORTEC® finish** is chosen to protect concrete surfaces, which have already reached their final strength.

COLORTEC® finish can be applied to vertical or horizontal surfaces with a roller or a suitable sprayer in a generous, one-coat application. By vertical surfaces we recommend the application in a zigzag form, starting at the bottom and working upwards.

More pictures and videos of concrete surfaces with "repelling" effects can be found in our online [photo gallery](#) and [video gallery](#).



Concrete protected with COLORTEC® finish



Available product versions:

COLORTEC® finish is available in 2 different versions:

1. Recommended version for applications in accordance with EN 1504-2 (Products and systems for the protection and repair of concrete structures): **COLORTEC® finish "CPS"**, CE declaration of performance available.
1. Recommended version for applications without relevance to EN 1504-2: **COLORTEC® finish "CTR"**

Consumption:

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

Packaging:

10-30-120-200-1000 liter
pail/drum/IBC container

Storage:

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

ENQUIRY

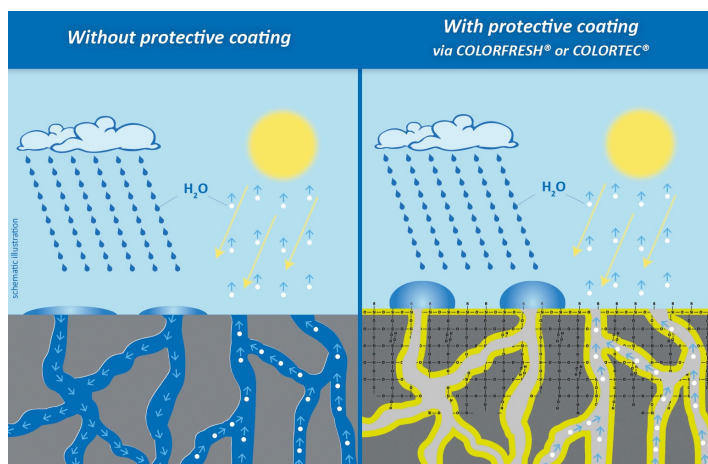
The surface to be treated should be dry, which means for example that it should not rain immediately prior, during or immediately after application of **COLORTEC® finish**.

If applied to "old" concrete surfaces, the concrete surface must be cleaned thoroughly beforehand so that no residue remains. If suitable, we recommend the application of [HEBAU CEMCLEAN](#) (see instructions for application in the technical information sheet, pilot tests necessary).

After the application of the **COLORTEC® finish** the treated surfaces should be initially kept dry and frost-free for at least for 24 hours. The complete reaction- resp. drying time takes between 24 hours and 7 days.

The durability of the **COLORTEC® finish** coating depends on a large number of parameters (concrete mix design and surface, application, weather ...) but usually lies between 2 and 10 years. If a fading of the protective effect is noticed, we

recommend the cleaning and subsequent re-coating of the surface with **COLORTEC® finish**.



Detailed explanation in our brochure "[surface protection](#)"

! 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/raining into account and allow for an adequate period of observation.

General information:

Possible reactions with mould release agent, or curing agent's residue, which may be found on the concrete surface, must be checked in pilot tests under real production conditions, i.e. in process and handling, the original concrete mix design and conclusive outdoor weathering, including exposure to rain etc. Latest scientific studies in cooperation with the Fachvereinigung Deutsche Betonfertigteile (FDB) e.V. (German association for precast concrete elements) confirm a direct connection between the protective coating, the type of release agent used and a later discolouration of the concrete surface, which can be avoided through the application of a suitable release agent. For more information, please contact our technical consultants.

The concrete surface to be protected should not contain any water-repellent/hydrophobic additives/admixtures, or be otherwise modified in a way which will reduce the absorbency of the surface. Please check that any used additives or admixtures do not have these functions.

Do not apply by ambient or concrete surface temperatures below +10°C.

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.

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

Text recommendation for invitations to tender:

For walls/facades made of concrete (precast elements or in-situ concrete)
Protect concrete surface against weathering, efflorescence, dirt ... through a hydrophobic protective coating etc., with

COLORTEC® finish from HEBAU GmbH, or equivalent water-repelling agent for high-quality concrete

Visual effect after drying: invisible

Application: in one step, see instructions for application

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

Surface in sqm:

COLORTEC® finish CTR

Hazard + precautionary statements according to CLP regulation / (EC) No 1272/2008

The product is not classified according to the CLP regulation (Classification, Labelling and Packaging). Usual precautions and actions when handling chemicals should be observed. Please observe the Safety Data Sheet

Precautionary statements

P260 Do not breathe spray.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local regulations.

ENQUIRY

COLORTEC® finish CPS

Hazard + precautionary statements according to CLP regulation / (EC) No 1272/2008



Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P370+P378 In case of fire:
Use for extinction: Alcohol resistant foam.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local regulations.

Overview:

Protective coating agents for concrete surfaces

	COLORFRESH® intensiv	COLORFRESH® effect	COLORTEC® MAX	COLORTEC® finish	PROWALL II
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Areas of application:

floors/paving	✓	✓	✓	O	-
walls/facades	✓	✓	✓	✓	✓
indoors	✓	✓	✓	✓	✓
outdoors	✓	✓	✓	✓	✓

Suitable for following types of concrete:

prefabricated (precast) elements	✓	✓	✓	✓	✓
ready mixed concrete (cast-in-place)	✓	O	O	✓	✓
self-compacting (self-levelling) concrete	✓	✓	✓	✓	✓
dry-cast concrete (pavers, blocks, bricks, slabs, tiles ...)	✓	✓	✓	O	O
cast stone	✓	✓	✓	✓	✓
wetcast concrete	✓	✓	O	✓	O
terrazzo	✓	✓	✓	O	O
decorative concrete in-situ	✓	O	O	O	-

Suitable for following types of surface:

smooth form-finish or formliner-structured	✓	O	O	✓	✓
acid-etched	✓✓	✓✓	✓✓	✓	✓
sand-blasted / shot-blasted	✓✓	✓✓	✓✓	✓	✓
exposed-aggregate	✓✓	✓✓	✓✓	✓	✓
bush-hammered	✓✓	✓✓	✓✓	✓	✓
polished / grind / honed	✓	✓	✓✓	O	✓

Product characteristics:

matt (invisible) finish	✓	✓	✓	✓	✓
colour-enhancing	✓	✓✓	-	-	-
creates a silky sheen	✓	-	-	-	-
creates a wet-look finish	O	✓	-	-	-
waterbased / solvent-free	✓	✓	✓	✓	✓
breathable / permits water vapour diffusion	✓	✓	✓	✓	O
water-repellent / hydrophobic	✓✓	✓	✓✓	✓	✓✓
dirt-repellent	✓✓	✓	✓✓	✓	✓✓
oil-repellent / oleophobic	✓✓	✓	✓✓	-	✓
tested and approved as safe for contact with food	✓	not tested	✓	not tested	✓
UV-resistant	✓	✓	✓	✓	✓
applicable on dry surfaces	✓	✓	✓	✓	✓
applicable on moist surfaces	✓	✓	✓	✓	-

Protects against:

efflorescence	✓	✓	✓	✓	-
freeze- / thaw damage	✓	✓	✓	✓	✓
stains	✓✓	✓	✓	O	✓✓
general soiling	✓	✓	✓	✓	✓
growth of moss and algae	✓	✓	✓	✓	✓
weathering, fading of colours	✓	✓	✓	✓	✓
graffiti	-	-	O	-	✓✓

Symbol explanation: ✓ applicable/suitable

O partially applicable/suitable

- not applicable/suitable