

# COLORTEC® MAX

## Protective coating for concrete and terrazzo

- water-, oil- and dirt-repellent
- invisible



### Fields of application:

COLORTEC® MAX is used for the protection of decorative/architectural/aesthetical concrete used for walls and floors, indoors and outdoors. Suitable for concrete, terrazzo and certain natural stones with a processed surface finish, e.g. by exposed aggregate, acid-etching, shot- or sand-blasting, grinding ... surfaces usually used for architectural precast concrete, decorative concrete paving, terrazzo, steps, pavers, artificial stone ... and surfaces which require protection against soiling, efflorescence, loss of colour, weathering, frost etc.

### Product characteristics :

- solvent-free
- polymer-based
- invisible
- extremely dirt-repellent
- breathable
- alkali-resistant
- applicable on moist and dry surfaces
- non-adhesive
- fast drying
- low consumption rate per m<sup>2</sup>
- UV-resistant
- long-lasting

### Advantages:

- user-friendly (water-based)
- water, oil- and dirt-repellent (e.g. food-spills, industrial and traffic emissions, clay, moss, tannic acid etc.)
- protects against efflorescence (primary and secondary efflorescence)
- weather-resistant
- protects against frost
- suitable for "in-line" application
- protects against colour fading
- dries quickly and non-adhesive
- protects against soiling during storage, installation
- changes in coating thickness remain invisible
- easy to apply, e.g. with a roller, brush or sprayer
- long term durability and high resistance to abrasion
- low additional cost per m<sup>2</sup>

### Instructions for use:

The surfaces to be protected may be moist (no standing water) or dry. The surface should be mineral, clean, dust-free, absorbent and frost-free. Surfaces which have been produced or installed some while ago, need to be cleaned thoroughly beforehand, if necessary by using a cleaning agent such as HEBAU CEMCLEAN (see instructions for application in the technical information sheet, pilot tests necessary). COLORTEC® MAX should be applied in a one-coat application with a suitable roller, brush or spray-gun. COLORTEC® MAX is applicable for horizontal and vertical surfaces. When applying to vertical surfaces we recommend to work from the bottom to the top in a zigzag movement. Apply generously and evenly. The treated surfaces should be protected against rain and frost during the drying time (approx. 24 hours). COLORTEC® MAX should not be applied by temperatures below +5°C.

By the application of COLORTEC® MAX 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.

Soiling which occurs on surfaces previously protected by COLORTEC® MAX 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.

COLORTEC® MAX is not suitable for polished, glazed or non-absorbent surfaces or natural stone with low water absorption.

The durability of the COLORTEC® MAX coating depends on a large number of parameters (concrete mix design and surface, application, weather etc.) 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® MAX.

### General information:

COLORTEC® MAX is not resp. only conditionally recommended for application on smooth, form-finished fair-faced concrete.

Surfaces with a grinding finish and any other similar surfaces showing low absorbency must be tested for sufficient absorption of COLORTEC® MAX. The concrete surface to be treated should not contain any water-repellent or hydrophobic additives/admixtures. We therefore exclude any liability for defects which are based on the processing methods and the concrete mix designs used.

An enhancement of the colour has not been observed on any surface so far, but can not be definitively excluded in exceptional cases. If a colour enhancement is desired we recommend our product COLORFRESH® intensiv .

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.

Consumption:
Depending on the absorbency of the surface approx. 200 gr/sqm.

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

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

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

# Protective coating agents

## Application examples



Exposed aggregate concrete surface protected with **COLORTEC® Max**



Left: untreated fair-faced concrete

Right: acid-etched concrete protected with **COLORTEC® Max**



Fair-faced concrete protected with **COLORTEC® finish**



Left: untreated

Right: exposed aggregate concrete protected with **COLORFRESH® intensiv**

### Sample text for invitations to tender:

**For concrete surfaces with certain surface finish, e.g. exposed aggregate, acid-etched, grinded, shot- or sandblasted, terrazzo (precast or in-situ concrete)**

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

**COLORTEC® MAX** from HEBAU GmbH,  
or equivalent protective coating for high-quality concrete.  
Optical effect after drying: invisible

Application: in one step, see instructions for application.

Consumption: depending on the absorbency of the surface, approx. 200 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](http://www.hebau.de).

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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