



Wetcast products

... for concrete that impresses.



For many years we have been supplying the concrete industry with products "Made in Germany" which are long-established in the European market. We see our strength in the development of customized products in close cooperation with our customers.

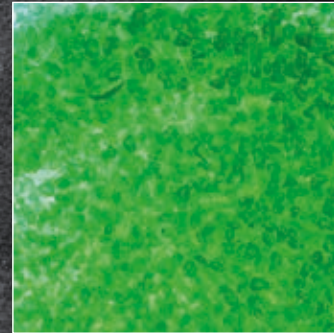
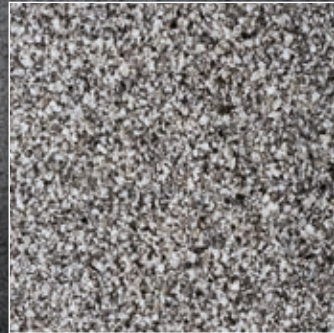
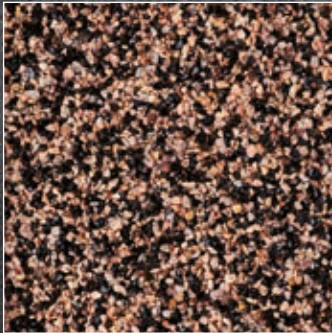
Our five big business activities are:

- Production and distribution of application specifically well-matched concrete colours and admixtures as well as surface protection -, separating and preservative agents

- Production and distribution of dosing systems for concrete colours, admixtures, surface protection systems and separating agents
- Concrete testing and technical advice through the VMPA-Betonprüfstelle (concrete testing laboratory) of BPB®
- Development of special products and new technologies
- Renovation services and maintenance work on concrete surfaces and objects

A trustful cooperation with our raw material suppliers as well as a permanent search for new raw material sources allow us a wide knowledge of the raw material market and an optimization of our products.

We accompany all products with personal technical advice – from the project meeting on site up to services like providing mix designs, concrete testing, production and delivery "just in time", after-sales service as well as training of our business partners.



- **Eye-catcher** – it is possible to create different surfaces and structures with the wetcast method. Our partner **TOP Mineral** offers a wide product range and allows unlimited creativity.

Wetcast means, "liquid pouring" and explains the term properly.

Fresh concrete is filled into a mould. The drying process takes up to 24 hours, depending on the used additive. Using the Wetcast method it is possible to create different surfaces and structures which is a great advantage compared to other concrete production methods.

Our product range:

- release agent
- concrete mixer protection
- high performance superplasticizer
- hydro-functional additives
- high performance concrete plasticizer
- surface protection products

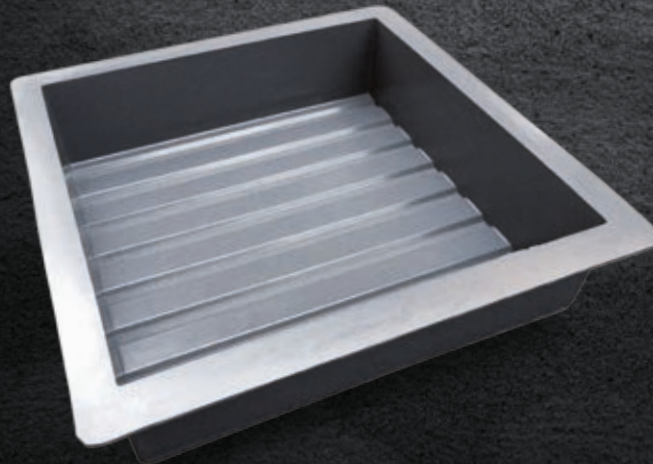
BIOtrenn Emulsion NSG | Separating agent for polyurethane moulds

- ❑ leads to a uniform bright concrete surface (architectural concrete quality)
- ❑ excellent adhesion to horizontal and vertical moulds
- ❑ for heated moulds up to 60°C
- ❑ for all types of moulds
- ❑ biodegradable
- ❑ applied thinly and uniformly using a spraying device
- ❑ small white droplets are formed during application
- ❑ start placing the concrete when no more white droplets are visible



ECOtrenn N | Separating agent for rigid plastic moulds

- ❑ mineral oil-free
- ❑ corrosion inhibiting
- ❑ preserving
- ❑ for all types of moulds
- ❑ for heated moulds up to 60°C
- ❑ applied thinly and uniformly using a spraying device
- ❑ the mould should be dry and clean



The wetcast industry trusts

VIA DOMO®

**Our partner for
Wetcast moulds**

A brand of BCR
Building Components
Rimmele GmbH & Co. KG

- ❑ universal preservative agent based on renewable raw materials
- ❑ can be used for concrete mixers, block producing machines and tools
- ❑ machines and tools remain as new longer
- ❑ applied to the clean surface using an appropriate paint or spraying device
- ❑ new tools and machinery should be sprayed before usage



Application:

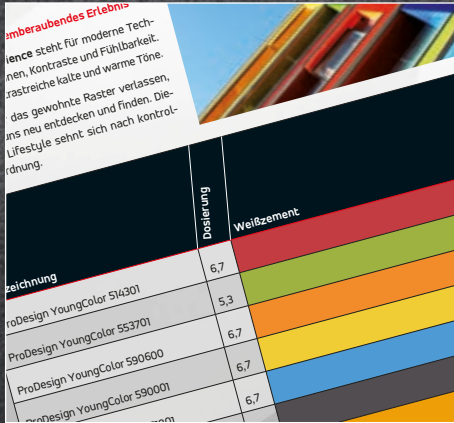
- ❑ concrete mixers
- ❑ construction machines
- ❑ block machines
- ❑ concrete trucks
- ❑ tools



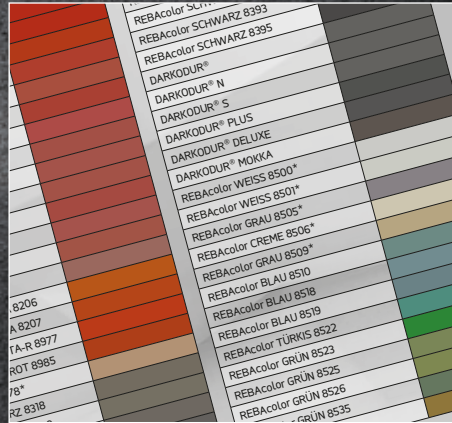
In all times and all cultures, colours are an expression and medium of certain feelings and mental spirits. Colours are the expression of a style – and they are one of the reasons whether we feel comfortable in our environment or not.

Colour is an important element of design in our time. With colour schemes space and surface can be designed harmonically. Colour sets trends – a significant and sustainable development in our environment.

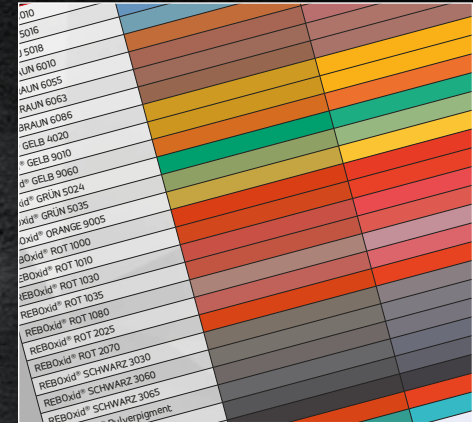
We provide a lot of colours, liquid and powdered. The colour chart only shows a selection. The final result depends on many different parameters such as the used cement, aggregates and admixtures.



Colour chart ProDesign – the latest trend colours with a unique appeal; from classic, modern over to extraordinary



Liquid colours – a varied range of colours and colour nuances to set highlights



Powder pigments – classic colours for numerous fields of application

Our colour chart does not include the colour shade you need?
We will create any colour shade particularly for you – simply contact us.



Liquid colour with binding agent

Using BPB Special sealing DV – I it is possible to create wetcast slabs according to your wishes. A solid colorization of the concrete is not necessary.

The special sealing is sprayed directly into the mould right after applying the binding agent. After that the mould is filled with concrete.

We recommend applying a surface protection to guarantee and maintain a nice and long-time appearance.



- excellent adhesion in wetcast moulds
- concrete retarding agent for the wetcast production
- for all types of moulds
- washable up to 72 hours

Erosion of the concrete surface using the negative procedure



Wetcast Excellent – solvent-free, pasty concrete retarding agent for the Wetcast production in the negative procedure

Wetcast Excellent is applied into the mould using an appropriate brush. The subsurface should not shine through the material after drying. Remove the concrete from the mould after a drying time of 1 – 2 hours.

Afterwards treat the surface with the help of water and a brush (if necessary with a high-pressure cleaner) and remove the top layer.

- The concrete retarding agent is particularly suitable for filigree moulds, as shown above; a wood grain effect.



□ **An Eye-catcher** – Wetcast products with a digital print design.

As an official affiliate of the BVB 09 in proper black-yellow style.

The balance of concrete colours, additives, separating and care agents as well as proper surface protection and care products is essential for the concrete duration and appearance. We develop an optimal concrete formula for you on request.

The VMPA-Betonprüfstelle (concrete testing laboratory) of BPB® offers concrete technological support starting from formula optimization over to reclamation work.

Concrete admixtures



Superplasticizer REBAflow 202 (FM) – superplasticizer according to EN 934-2:T3.1/3.2



Antifoaming agent REBAment 40 BV – concrete plasticizer according to EN 934-2:T2



Hydrophobic agent REDUPHOB® T-100 – mass water repelling for concrete on siloxane basis with excellent depth effect

Additional admixtures



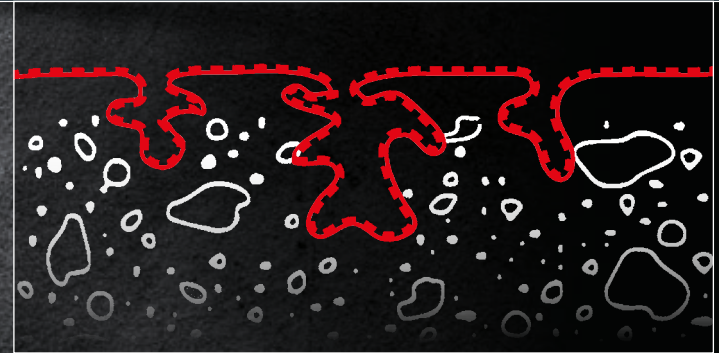
REBA-Beschleuniger K (BE) – set accelerating admixture according to EN 934-2:T6 for concrete according to EN 206-1 and DIN 1045-2



REBA-Silika – siliceous additive for the production of high-performance concrete according to EN 13263-1 and EN 13263-2



MHK-LP Optimierer – hollow microspheres with an elastic plastic shell as prefabricated air voids and for increasing the elasticity



Impregnation – film-forming

Pore sealing treatment to reduce the surface porosity and to strengthen the surface at the same time. Pores and capillaries are partially or completely filled.



Impregnation Concrete

Pore filling, water-repellent impregnation for absorbing cement-based surfaces



PU-Coating W 1 K



PU-Coating W 2 K

Solvent-free polyurethane coating

Not film-forming

Concrete treatment to create a water repellent surface. The pores and capillaries are only lined and not filled.



Impregnation Easy Protect Plus

Impregnation with hydrophobic effect

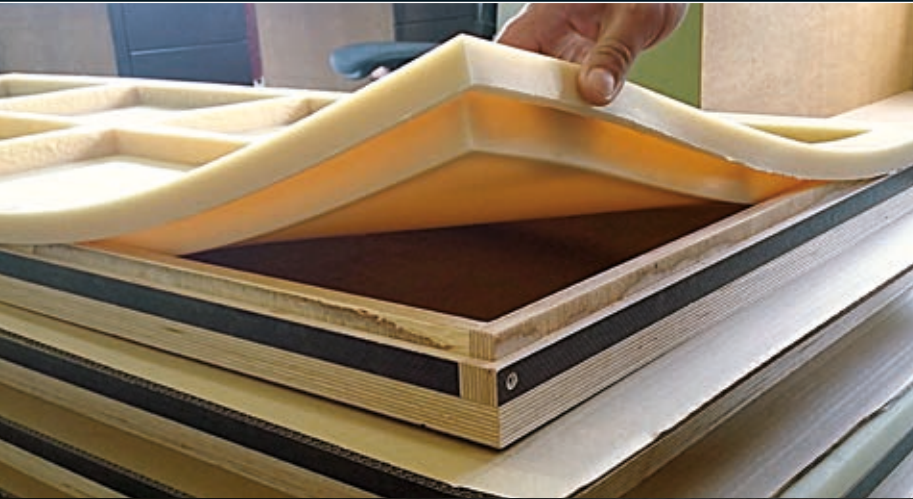


REBAtext BI Excellent

Impregnation with water repellent and oleophobic effect



Impregnation Construct – Reactive colour-neutral water-repellent impregnation, tested and certified according to TL/TP OS-A of ZTV SIB 90 and EN 1504-2



- **Functional** – using Via Domo®'s multiple moulds you not only save time but also space.

As part of our research work of producing and sealing high quality concrete goods we were able to develop a new product line "Wetcast products".

We managed to develop a complete assortment consisting concrete additives, colours, admixtures, pretreatment and after treatment products as well as surface protection products.

Advantages of the WETCAST procedure for concrete slabs and stone surfaces:

- excellent concrete strength
- long durability with a high optical and attractive design
- carbonation barrier – the formation of efflorescence is prevented
- preservation of concrete colour – UV protection
- colour enhancement – higher colour brilliance
- dirt -and- stain protection – aqueous media do not penetrate into the surface
- light satin gloss – increasing the optical quality
- concrete surface can be cleaned
- Optional: Increasing of the slip resistance

This process is based on the following steps as described on the following pages.



1. Optimization of the fresh concrete quality

- ❑ Control and eventually adjusting of the fresh concrete formula (determination of the optimal grading curve (screen procedure)
- ❑ Determination of the concrete consistency, the water-cement value and the type of superplasticizer as well as the amount of superplasticizer

2. Determination of the releasing agent for the concrete mould

3. Determination of the solidification time

4. Steps after removing the concrete from the mould

- ❑ IR irradiation – increasing of the surface temperature using IR rays (approx. 20 to 30 seconds)
- ❑ Coating of the fresh demoulded concrete goods using a roller or spraying device (film-forming/not film-forming)

- ❑ Drying of the surface using IR rays
- ❑ Optional: applying a second coat
- ❑ Checking the nozzles and the applied amount throughout production
- ❑ Drying using IR rays takes between 20 to 30 seconds (surface temperature <60°C)

- ❑ **Via Domo® Classic-Mould** – mould with solid steel sheet supporting box and clamping edge.



5. Storage/packaging

- ❑ Flat storage: flat nets, fleece or pellets are used for storage safety and to avoid scratches
- ❑ High storage: plastic cords are used for storage safety and to avoid scratches

- ❑ Packed product notes within each package that provide information for the careful handling of the concrete products as well as information on cleaning and maintenance
- ❑ It is recommended to cover those packages with REBA-COVER. To prevent stagnant moisture. The packets may not be completely shrunk

Additional information

- ❑ In the morning, spraying nozzles should be rinsed thoroughly with a soapy water mixture and be reinserted
- ❑ Checking the nozzles and the applied amount throughout production repeatedly
- ❑ **Internal instruction:** delivery of packets not until 7 days after production date! (because of subsequent hardening / self-crosslinking of the seals)

The wetcast industry trusts

VIA DOMO®

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