

DURAHIT® Coloured Impregnations

Coloured coatings acc. to EN 1504-2 for constructional concrete components

FIELDS OF APPLICATION

DURAHIT® Coloured Impregnations are coloured, film-forming coatings especially designed for upgrading the visual appearance of constructional concrete components.

The coloured coatings generate a coloured, silk-matt shining coat ensuring high-grade surface finishing.

DURAHIT® Coloured Impregnations are a sustainable protection tool which reduce contaminations, efflorescence, and frost damages. They allow preserving the colour shade of concrete for a long time and minimise and decelerate the natural weathering processes. Consequently, the coloured coatings enhance concrete's durability significantly.

It is recommended to previously dye the concrete in a corresponding, similar colour.

APPLICATION QUANTITY

Depending on the surface structure and its absorption properties, the required amount varies between 80 - 120 g/m².

Using a suitable priming agent (e.g., PROTECT Primer) prior to application might strongly reduce the required quantity.

The exact figure needs to be determined for each individual application.

Over- and under sized application quantities may cause an inconsistent visual appearance and may forward crack formations and spalling.

COLOUR SHADES

DURAHIT® Coloured Impregnations are available in 4 different colour shades:

COLOUR	ITEM NO.
DURAHIT® Anthracite 7016	2633
DURAHIT® Black 9017	2634
DURAHIT® Slategrey 7015	2635
DURAHIT® Silvergrey 7001	2636

WORKING PRINCIPLE

DURAHIT® Coloured Impregnations seal the pores on the concrete surface and form a protective finishing - known as lotus effect - which drips off liquids and the therein solved particles, preventing liquids to penetrate the concrete matrix.

DURAHIT® Coloured Impregnations are solvent-free, lightfast and resistant to UV-light.

TECHNICAL DATA

Homogeneity	homogenous
Colour	depends on selected product
State	liquid
Density	1.05 ± 0.03 g/cm ³
pH value	8.0 ± 2.0
Workability	from +5°C to +30°C
Shelf life	approx. 6 months from date of production, if stored properly
Storage conditions	Store in unopened, original sealed packaging between +5°C and +30°C. Protect from frost and insolation.

PROCESSING INDICATIONS

The products sediment. Homogenise the coating thoroughly by stirring or agitation before use! Note: Insufficiently homogenised coatings cause colour differences on the concrete surface and result in inconsistent visual appearance.

The concrete surface to be treated must be firm, clean, absorbent and free of dust and loose particles. Curing- and separating agents have to be completely removed.

The underground temperature needs to be at least 5°C.

DURAHIT® Coloured Impregnations should be evenly applied to the surface using a suitable spraying system.

Prevent the treated concrete surface from water and moisture (e.g., rain and condensation water) for approx. 6 – 10 hours.

Cleaning

Clean spraying system, work tools and equipment thoroughly with water immediately after use!

This product is classified as hazardous according to the CLP- directives. See safety data sheet for handling instructions.

PACKAGING

- can
- barrel
- other package sizes are available on request

REMARKS

This information describes the application- and processing possibilities of a product and its operation principles under regular conditions. Having no influence on the further application and processing, especially in conjunction with other construction materials, the given indication is neither a warranty in respect of the product's properties or its fitness for a particular purpose nor a full instruction of use. This information, any other recommendation or verbal advice are not binding and do not infer to any liability or legal demand.

Due to continuous further development, the most recent Technical Data Sheet is valid and will be supplied on request. All orders are accepted subject to our current general terms and conditions.

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SUITABILITY- AND PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!