

OMNITEK[®] Realk Liquid

Re-alkalinisation of carbonated concrete

Product Description

OMNITEK[®]Realk Liquid is a single component re-alkalinisation liquid for protecting and upgrading concrete, removing the effects of carbonatation due to creation of an alkaline environment in the concrete.

Advantages

- High re-alkalinisation capacity, effectively removing the effects of carbonatation.
- One component, ready to use solution with fast, easy and cost effective application by spraying.
- Compatible with all OMNITEK[®] and BETEC[®] cement based repair mortars and concrete.
- Solvent free.

Field of Application

OMNITEK[®]Realk Liquid is used for:

- Re-alkalisation of carbonated concrete

Product Properties

Technical Data/Properties(*)

OMNITEK [®] REALK LIQUID		
Properties	Unit	Value*
Consistency	[-]	High flowable liquid
Application temperature	[°C]	+3 to +35
Density	[kg/dm ³]	≈ 1.15
pH	[-]	≈ 12.8
Consumption(**)	[kg/m ²]	≈ 0.3
Shelf life	12 Months	Stored under cover, clear of the ground, protected from all sources of moisture and frost.
Packaging	Plastic drums of 5L. 72 pails per pallet (360kg)	
Appearance	White opaque liquid.	

(*)Typical values in production control. All tests were executed under a conditioned temperature of 21 °C and 65% RH.

(**)Consumption needs to be estimated by the designer, since it depends on the surface roughness and porosity of the surface.

Application

1. Preparation of Substrate

- Substrate preparation has to be according EN 1504-10 part 7.
- The substrate has to be free from dirt, grease, laitance, loose concrete, loose particles or layers which could adversely affect adhesion.
- Remove all damaged concrete and prepare substrate by sand or grid blasting, high pressure water jetting, or other methods until base concrete is exposed, offering sufficient roughness (bond) and open pores.
- The concrete surface needs to have an open capillary system.
- The substrate must be frost-free.

2. Mixing

- The product is ready to apply. It is recommended to homogenize the material before use.

3. Application

- OMNITEK® Realk Liquid can be applied directly on the surface by brush, roller or by spraying.
- OMNITEK® Realk Liquid needs to be applied before application of other products such as corrosion inhibitors, primers, repair mortars or coatings.

4. Curing

- Allow sufficient time for the liquid to impregnate the concrete. Time depends on porosity of concrete and ambient conditions.

5. Cleaning and maintenance

- Mixing and application equipment should be cleaned immediately with clean water.

6. Special remarks

- Low temperatures reduce the fluidity.

Health & Safety

OMNITEK®Realk Liquid is a highly alkaline product and can therefore cause burns to skin and eyes, which should be protected during use. Wear gloves and protective eye shields. Wearing a mask is advised. Treat splashes to eyes and skin immediately with clean water. Consult a doctor when irritation continues. If accidentally ingested, drink water and consult a doctor. Users must comply with all risk and safety phrases. MSDS's can be obtained from GCP Applied Technologies or from our website. GISCODE ZP1.

gcpat.com | North America Customer Service: 1 877-4AD-MIX1 (1 877-423-6491)

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

BETEC and OMNITEK are trademarks, which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2018 GCP Applied Technologies Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

GCP Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6

This document is only current as of the last updated date stated below and is valid only for use in the United States. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.com. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2022-05-06

gcpat.com/solutions/products/omnitek-reak-liquid