

Product Data Sheet

Edition 04/2013

Version 01

Product Name

Sika ViscoBond®

Sika ViscoBond®

New generation bonding agent and improver for mortars and concretes

Construction

Product Description

Sika ViscoBond® is a concentrated liquid admixture designed for use as a bonding agent with cement-based products in interior or exterior applications. It is also designed to improve cement based mortars and concretes to waterproof them, enhance their workability and increase their tensile, flexural and bond strengths.

The product conforms to EN-934-2:T9.

Uses

4 in 1: Bonding agent – waterproofing admixture (CE certified) – plasticiser – strength improver

Bonding slurry coats for renders and screeds

- Waterproof rendering and coatings with increased adhesion and reduced cracking (it is also suitable for use as a bonding agent or improver with gypsum and lime based plasters)
- High strength floor screeds / overlays with reduced surface dusting and high water and wear resistance
- Patch, repair and re-profiling mortars
- Pointing mortar for masonry joints

Characteristics / Advantages

- Concentrated high performance formulation powered by the Sika ViscoCrete® technology.
- Significantly improved workability
- Enhanced strengths and impermeability
- Excellent adhesion even on smooth substrates
- Reduced cracking
- Increased resistance to frost and freeze / thaw damage
- Improves the chemical resistance of mortars and concretes

Approval / Standards

CE
1164
SIKA France SA Z.I. de l'Europe - BP111 76220 Gournay en Bray, France
1164-CDP-ADJ009
09
EN 934-2:T9
Chloride Ion Content: < 0.1% w/w
Alkali Content: < 0.4% w/w
Corrosion Behaviour: Compliant with EN 934-1 clause 5.1



Product Data

Form

Appearance / Colours light bluish liquid

Packaging 5Kg and 20Kg plastic bottle

Storage

Storage Conditions / Shelf Life 12 months from date of production if stored properly in undamaged containers, in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.

Technical Data

Chemical Base Aqueous dispersion of butadiene-styrene and modified polycarboxylate

Density 1.01 to 1.04 kgs / litre [23°C]

pH Value 6.0 +/- 1.0

System Information

Application Details

Consumption / Dosage Sika recommends a dosage of approx. 10-12% Sika ViscoBond® by weight of cement for these proposed uses.

Approximate Consumption at this dosage:

- As a bonding slurry: 0.09 L / m² and mm layer thickness
 - As an admixture in mortars: 0.3 L – 0.4 L / 10 L mortar
-

Application Instructions

Application Method / Tools

Preparation:

Substrate must be clean and sound. All traces of dirt, oil, grease, cement laitance and any loose or deteriorated concrete must be removed.

Pre-dampen by saturating the substrate with clean water (no standing water!)

Application:

Dilute 1 part Sika ViscoBond® with 3 parts clean water to prepare the gauging liquid. Use this gauging liquid to produce the bonding slurry or mortar.

Bonding slurry for screeds: mix 1 volume part cement with 1 volume part sand and the gauging solution until obtaining a thick creamy consistency.

Brush slurry thoroughly into substrate with a stiff-bristled broom or scrub brush.

Mortars: Mix 1 part cement (by volume) with 2-3 parts sand (by volume) and the gauging liquid until the desired consistency is obtained. Apply the mortar as usual.

Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

Notes on Application / Limitations

When using Sika ViscoBond® a suitable mix design should be developed and local material sources should be trialled.

Do not use at temperatures below 5°C.

The Sika ViscoBond® should not be added directly to dry cement or mortar.

Always ensure that a minimal quantity of gauging liquid is used at the early stages of mixing and add the majority at the end. This will also assist in obtaining the required consistency.

Before application, product suitability tests / trials should always be performed.

Value Base

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Local Restrictions

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.



Sika Near East s.a.l
Sin el-Fil – Beirut
Sector 5, Rue 70
P.O.Box: 55163
Tel. +961 1 510 270
Fax +961 1 510 271

sikareg@cyberia.net.lb lbn.sika.com

