

VOGA HARDNER

PAGE 1 / 4

VOGEL SYSTEMS Technical data sheet

Date / Revised: 19.09.2018

Product: **VOGA HARDENER**

Version: 1.0

Date of print 20.09.2018

1. Identification

Product identifier

VOGA HARDNER

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Product for construction chemicals

Recommended use: for industrial and professional users



Details of the supplier of the safety data sheet

Company:

VOGEL SYSTEMS

Operating Division Construction Chemicals

E-mail address: info@vogel-systems.de

Emergency telephone number

International emergency number

Concrete Hardener and Dust Proofer

DESCRIPTION

VOGA HARDNER is a premium grade, low viscosity dust-proofer and hardener specially formulated to chemically seal concrete and harden its surface.

APPLICATION FIELDS

- 1.Ready for use.
- 2.Easy to use.
- 3.UV stable.
4. For interior and exterior use.
- 5.Cost effective solution for improving surface hardness.
- 6.Reducing permeability and dusting, cement and concrete surfaces.
- 7.Improving the hardness and denseness of concrete.

ADVANTAGES

1. Increase abrasion resistance .
2. Improve resistance to impact.
3. Reduce water absorption.
4. Reduce dusting of concrete floor.
5. Use as curing agent to reduce the loss of water of new concrete.
- 6.Excellent bonding to most building materials.

APPLICATION INSTRUCTIONS

VOGA HARDNER must be applied to a clean, dry substrate free from laitance, dust, dirt, oil, grease and other contaminant's . all cracks must be repaired and leveled. floor substance shall be prepared . **VOGA HARDNER** Apply by brush or roller. Mix well the container. Apply first coat of **VOGA HARDNER** liberally to a dry surface using a quality pump up sprayer, suitable roller or by hand with a mop. Follow up with a mop o and work into the surface. Allow 10 minutes for product to penetrate and react. Do not allow the product to dry on the surface as it may leave unwanted marks that can only be removed by diamond grinding. Allow one day between coats. Two coats are usually sufficient, but a third might be required if the concrete is very porous.

TECHNICAL DATA

Product characteristics	
Color	Clear liquid
Type	A ready for use concrete hardener and anti-dusting agent
pH scale	Alkaline
Application temperature (ambient)	5°C to 30°C
UV resistance	Unaffected by UV
Density	1.1kg/litre
Protection during application	Sun and wind barriers as required
Curing Efficiency	0.43 kg/m ²
Pull-off Test	Pull-off Test
Schmidt Hammer	33.33 %
aspect	uncoloured liquid or pale yellow

CONSUMPTION

Estimated consumption of **VOGA HARDNER** is :

First Coat -250 gm/sq.mt. & 150 gm/sq.mt. (Second coat) Two coats are recommended
These are for guidance only and may vary depending on porosity, texture, substrate conditions and application method.

PACKAGING

VOGA HARDNER is supplied in pre-weighed pail of 25 L.

CLEANING

Tools and equipment should be cleaned, immediately after use, with Water . Once product cures, this can only be removed by mechanical means.

STORAGE

Twelve months in its unopened original packaging. Store in a cool, dry and covered place, protected from moisture , frost and direct sunlight,with temperatures between 5 °C and 30 °C.

SAFETY AND HEALTH

VOGA HARDNER is a low toxicity product but direct contact with skin and eyes must be avoided .

Use rubber gloves and safety goggles when handling, mixing and applying the product.