

VOGAFLOOR SC

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VOGEL SYSTEMS Method of Statement
Date / Revised: 19.09.2018
Product: **VOGAFLOOR SC**

Version: 1.0

Date of print 20.09.2018

1. Identification

Product identifier

VOGAFLOOR SC

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

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

Emergency telephone number

International emergency number

Cement Based Concrete Surface Color Hardener

1 .Description

VOGAFLOOR SC is a blend of finely graded clean silica sand, white Portland cement, high quality non-fading pigments and workability improving polymers.

2 .Scope

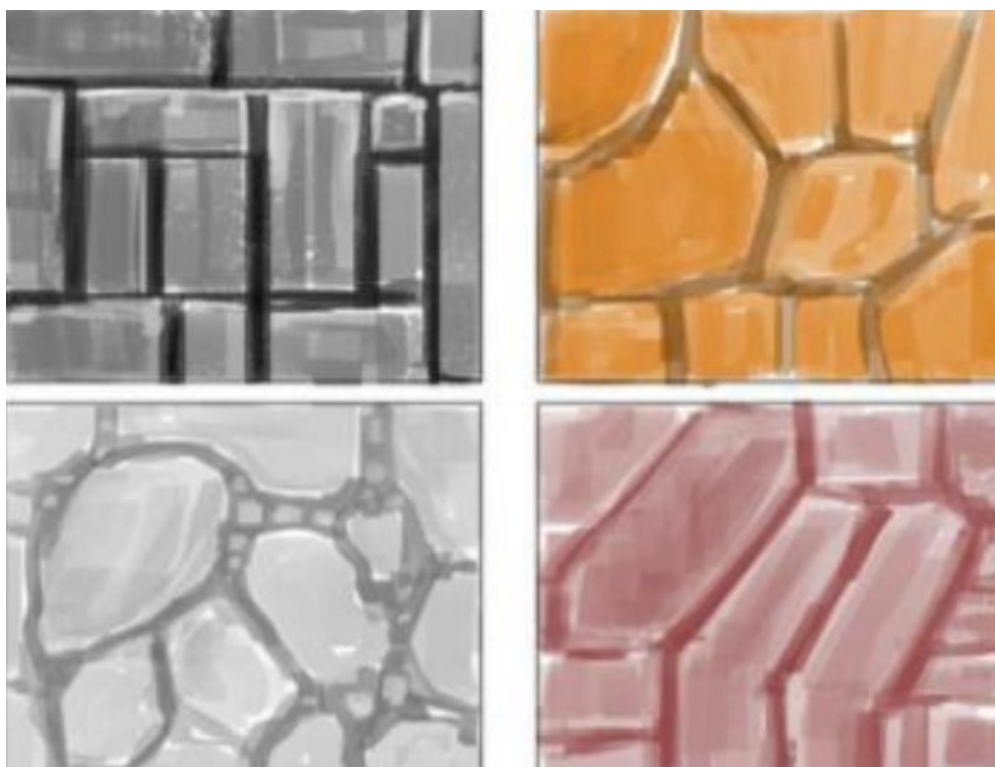
Traditional paving system such as natural stone, interlocking pavers and flagstones are subject to continues problems. Ground movement, stains, weeds and moss are some of the many problems of traditional paving, because stamped concrete is monolithic in structure and our products increase the abrasion resistance and seal the surface. Stamped concrete is timeless and will continue to look good for many years to come. We provide the latest innovations in specialized architectural decorative stamp and overlay stamp colored concrete finishes that will captivate the Fashion and Beauty of your exterior and interior premises at the very least cost. Consistency, Durability & Environmental Friendly makes our Quality at forefront. With over 15 years experience and technical skill in workmanship, we do not only sell to you our products but offers you a long term solution for your flooring needs.



3. How to use

1. Choose a color and texture of concrete that complements the natural surroundings and adjacent structures.

- * Special consideration should be given to the orientation of grout lines, particularly in repetitive patterns such as running bond, brick, or cobblestone.
- * Generally, the area should be stamped so that long lines of the pattern run perpendicular to the length of the project.
- * This will help reduce straight-line errors and provide a more pleasant and aesthetic overall appearance.
- * Typically texture runs in straight lines, even when walks or drives are curved.
- * Always perform a trial run, placing mats in the area prior to the pour.
- * The crew should know ahead of time where the first mat will be placed, as well as aware of areas where a standard mat won't fit, and in what direction stamping will proceed.
- * Always plan accordingly to ensure best results.
- * It is very important to bear in mind the location of expansion and control joints (the thin lines you see in just about everything concrete).
- * These will be required and may disrupt the visual pattern you had planned for.
- * Your installer can direct you more with the options.



2. Place the concrete

- * Follow normal procedures with a sub-grade and concrete base that meets the planned specifications and local requirements for mix, depth and reinforcement.
- * A normal, or retarded-set, water reducing admixture can be used, but admixtures must not contain Calcium Chloride.
- * Yet, non-chloride accelerators and air-retaining admixtures can still be used.
- * Refer to the admixture manufacturer for recommendations on the type and amount of admixture to use. (Please note: Some admixtures may affect color.)
- * The concrete should be no less than 10 mm in thickness.



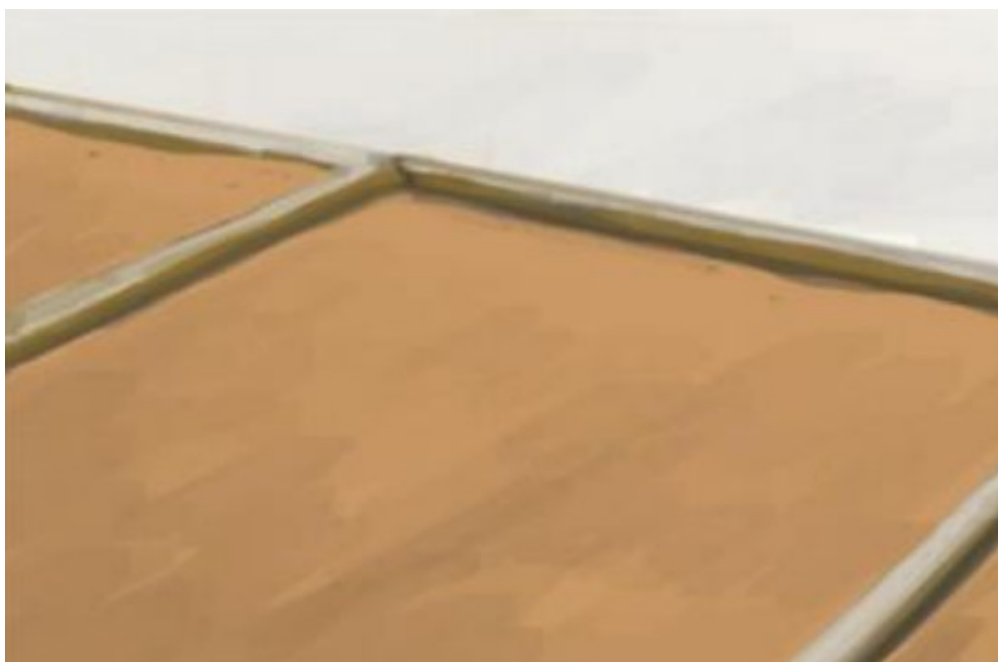
3. Color the concrete

- * Apply color hardener powder **VOGAFLOOR SC** directly to the freshly poured concrete surface.
- * Color hardener will penetrate the top of the concrete slab 3.17mm and color thoroughly.



4. Remember after initial floating and all excess bleed water has been absorbed, you should broadcast color hardener KEMFLOOR SC using a wide sweeping arm movement with the intention of covering as much concrete as possible with each throw.

* Allow VOGAFLOOR SC to be absorbed for several minutes until it has moistened sufficiently to work the color in with a wood or magnesium float. One pass with the float should be sufficient; do not overwork the concrete. If necessary, repeat this process in areas where natural concrete is showing through. When you are satisfied with the color, finish with a fresco or steel trowel.



5. Apply the color release agent VOGAREL SC

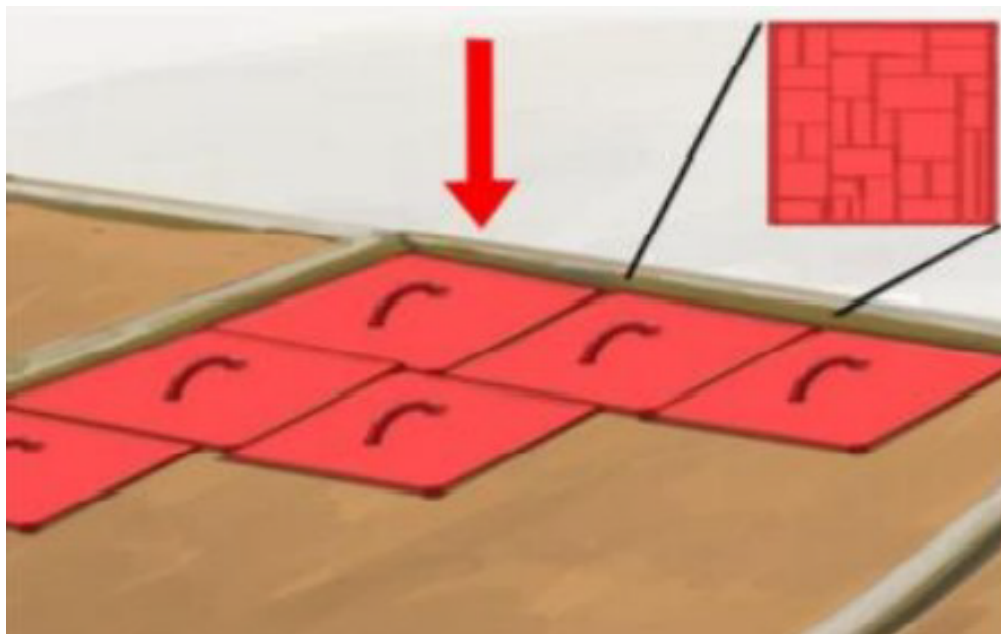
- * Texture mats will not work without the use of **VOGAREL SC**.
- * This specially formulated powder prevents mats from sticking to freshly placed concrete.
- * Generally 1.6kg. of material is required per 9m³ . As the slab approaches its optimum set for texturing, the release agent should be applied.
- * It should be brushed onto the mats and broadcast across the surface of the concrete.
- * There should be a uniform layer of **VOGAREL SC** between the concrete and the texture mats; thick enough to prevent damp concrete from bleeding through to the mat, yet thin enough so as not to diminish the texture detail.

6. Choose a color of release agent VOGAREL SC to complement the color of the concrete

- * **VOGAREL SC** with a darker tone than the coloring agent will provide depth and shadowing in the finished concrete.
- * Most of the release agent **VOGAREL SC** will be removed when the finished project is pressure washed.
- * The primary concrete color will dominate and approximately 20% of the release agent **VOGAREL SC** will adhere to the surface of the concrete.

**7. Texture the concrete**

- * At the optimum time for texturing, great force is not necessary to press the mat into the concrete.
- * Timing is critical so work should proceed without delay once texturing begins. Likewise, inspect the area periodically so that necessary touch-up work can begin as soon as possible.



8. Use a high-powered pressure washer (210 kg/cm² is recommended, but be careful, concrete can be damaged) approximately 24 hours after the concrete has achieved initial set

- * This is to remove excess release agent from the surface of the concrete.
- * Vary the distance of the wand to the surface of the concrete so that the release is unevenly removed.
- * Try to spray so that some of the release remains in the grout lines and deeper indentations. This will result in a more natural, aged and shadowed effect.



9. Seal the concrete with an appropriate decorative concrete sealer SEALER SC according to manufacturer directions

- * When the slab is thoroughly dry, clear enhancer should be applied using a roller.
- * Four liter covers approximately 20m².
- * A light coat should be applied in one direction and a second coat should be applied in a perpendicular direction in order to avoid unwanted lines.
- * Be careful to avoid a buildup of SEALER SC in the corners.



4. Cautions

- Release agent settles during shipment.
- Before beginning, fluff the contents of the pail with your hand to break up clumps and provide a consistent airy feel throughout the pail.
- There should be no standing water on the concrete surface when applying any hardener.
- Do not over float or trowel. This will draw water to the surface and reduce color intensity.
- Do not sprinkles or fog water on the concrete. This will cause variations in color intensity.
- Do not cover with plastic. Color Hardener settles during shipment.
- Before beginning, fluff the contents of the pail with your hand to break up clumps and provide a consistent airy feel throughout the pail.
- Always watch for the weather. Delay the project if rain is possible.
- Overall coverage requirements vary according to the color selected and the desired intensity. Generally, 27Kg. per 9m² . is sufficient, although lighter or pastel colors may require as much as 50Kg. per 9m² .
- Two-thirds of the hardener should be applied at first and one-third should be withheld for the second application and final touch up.
- Use a minimum of 6.5 sacks of cement per cubic Meter, Coarse aggregate should not exceed 9.5mm, Aggregate must be non-reactive, Minimum practicable amount of water should be used, Slump should not exceed 10.1mm, and No high-range water reducing admixtures.
- If using Liquid Color, float and finish following normal finishing procedures. When using hardener, finish concrete following normal procedures, using a tamper, screed and wood or magnesium float.
- The surface of the concrete must remain open.
- Do not steel trowel until after the final application of color hardener.
- Enough mats to cover 1.5x the width of the slab.

5. Things you'll need

ACCESSORY TOOLS: While texturing, you may notice areas or grout lines that require touch up to make a deeper impression. Or, you may come across hard to reach areas that require a different type of tool to make an impression. The equipment list below outlines accessory tools you may need. Anticipate your needs before the job begins and have all the necessary tools on hand. Texture Mats, Floppy Mats, Release Agent, Hardener or Integral Color, Touch-up Tools, Tamper, Bull Float, Canvas Resin Hand Float, Finishing Trowel, Screed.

6. Available prints

- A. A. Roman slate
- B. Travertino
- C. Roman slate
- D. Running bond used brick
- E. Rough stone texture
- F. Bushed border
- G. European fan
- H. Rough cut ashlar
- I. Random stone
- J. London cobble
- K. Roman slate
- L. Walkway slate
- M. Herringbone used brick
- N. Grand ashlar slate
- O. Cedar wood plank
- P. Cheshire cobble

