



**VOGEL**  
SYSTEMS

Method Statement

**NON-TOXIC EPOXY  
PAINTING WORKS**

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## SCOPE

The aim of this method statement is to provide and maintain effective quality control procedures and to execute the work in compliance to standard and good practice at all stages during the execution of non-toxic epoxy painting works on the project site .



The application of non-toxic epoxy painting works on the project site.

## PURPOSE

The purpose of this method statement is intended to inform the consulting engineer how the work will be delivered on site associated with risks and precautions to be taken during working on site.

The purpose of this statement:

- To outline how the work will be achieved on site.
- To meet the drawings and specifications requirements.
- To predict possible problems.

## SPECIFICATIONS CLAUSES

- Project specification.
- Approved shop drawing.
- Contract documents.

## MATERIALS

- VogaPair-Seal
- VogaBond Latex
- VogaSeal NTE



VOGAFLOOR NTE

VOGABOND LATEX

VOGAPAIR-SEAL

# TOOLS & EQUIPMENT

- Paint Brushes/ Rollers



- Grinder



- Paint Sprayers



AS REQUIRED.

- Hand Tools



Trowel , Spatula or putty knife ,scraper ,hammer ..etc).

- Air compressor



AS REQUIRED.

# CONSTRUCTION PROCEDURES

## Surface preparation for waterproofing

1. Surface / substrate preparation is the most important for cementitious and reactive waterproofing system.

2. The concrete surface shall be clean and free from contamination such as dust, oil, grease, organic growth ....etc.

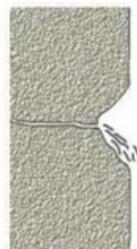
3. All loosely adhering particles such as mortar and cement laitance shall be removed.

4. The surface would be cleaned by brushing and finally soft brushing or compressed air. Cracks (if any) shall be repaired as recommended by the manufacturer by using grout Voga Pair-Seal.

5. The corner fillet will be between any horizontal and vertical element by using mortar with adding Vogabond Latex.

6. Surface preparation is the most important for cementitious and reactive waterproofing system.

7. Cracks or fissures must be opened to a minimum depth of 4 cm and a width from 3 to 4 cm. In order to provide a good mechanical key, make a square-shaped groove; preferably dovetail to the surface to which the material is applied. Avoid a "V" shape, as shown in drawings application, dampen the surface before applying Voga Pair-Seal.



VOGAPAIR-SEAL



VOGABOND LATEX

# CONSTRUCTION PROCEDURES

## Sealing leaks in cracks or joints

- 1.Prepare the surface removing the loose or unsound concrete from the crack or joint and cutting to a depth of 5 cm. VogaPair-Seal should be applied in small amounts that can be applied by hand.
- 2.Once VogaPair-Seal is mixed, form the mixture into the shape of a plug and hold it in your hand until it becomes warm and then, VogaPair-Seal firmly into the crack or joint but do not twist or overwork. Maintain pressure with the hand until it sets and finally remove any excess material with a trowel.



VOGAPAIR-SEAL



A



B



C

## Sealing joints between concrete ( slab & wall ) or (wall & wall)

This is a common situation . Along the concave corners at least a 2 x 3 cm groove must be opened and filled with Vogabond Latex in the shape of a waterproofing cove.



VOGABOND LATEX



Sealing all coves

# CONSTRUCTION PROCEDURES

## Application of non-toxic epoxy paints for water tanks

1. Make sure that the reinforced concrete slab on the ground surface is dry, and the moisture content should be less than 5%
2. The surface must be roughened using a grinding machine or vacuum.
3. The prepared substrate should then be primed with (VogaFloor 120) solvent free primer from (Vogel) to achieve a chemical bonding between substrate and epoxy layer. Add component B in the right mixing ratio to Component A and mix by means of a slow speed electric stirrer (approx. 300 - 400 rpm). Mix for at least 3 minutes until a homogeneous mixture is obtained. Fill into a clean container.
4. Apply a 2 putty coats by adding any kind of filling material to (VogaFloor NTX) to fill any cavities in concrete .
5. After mixing of 2 components of ( VogaFloor NTX ),apply the 1st coat of (VogaFloor NTX ) which is a non-toxic, solvent free, high build epoxy resin, protective coating for concrete and metal from (Vogel) using a good quality roller (colour upon request)
6. Touch Up where it's needed
7. Apply a 2nd epoxy coat (VogaFloor NTX ) non-toxic , solvent free epoxy coating from (Vogel) using a good quality roller (colour upon request).



**VOGAFLOOR NTE**



**VOGAFLOOR 120**

## RISKS

- Avoid any inhalation of vapours, avoid skin contact. Wear protective gloves and protective goggles. In case of skin contact, rinse immediately with soap and water. In case of eye contact, bathe eyes with water at once, then consult a doctor. Observe the guidelines concerning the handling of epoxy resins and amines issued by the Employer's Liability Insurance Associations.
- As with all chemical products, care should be taken, during use and storage, to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product has fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Re-seal containers after use.

## HEALTH AND SAFETY

- Make sure that the workers involved in the installation of the epoxy resin floor coating are experienced and well trained.
- Every stage of the installation must be supervised properly. Check all the routes of material transportation and remove any form of obstacle that could cause accidents. There should be frequent cleaning during working hours.
- Every equipment used must be maintained in accordance with legal requirements.
- Electrical connections should be handled by qualified and approved electricians.
- The workplace must be barricaded and well protected to prevent unauthorized personnel. A work permit must be issued to every person by the main contractor before work starts on the site.
- Appropriate loading and offloading equipment should be provided by the contractor. All the equipment should be certified and handled by a qualified operator.
- Keep a material safety data sheet to ensure that materials are handled well especially chemicals. Major spill kit available and personal protective equipment must be made available to every personnel must be worn at all times.

## STORAGE

- Materials shall be stored in a cool and dry place and avoid putting in direct sun light and as directed by the materials manufacturer.
- Materials shall be placed in a way to avoid the direct contact with ground soil.
- Materials shall not be exposed to the fire or naked flames in any circumstances.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

## CONTACT INFORMATION

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