

VOGAPAIR SEAL

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VOGEL SYSTEMS Technical data sheet
Date / Revised: 19.09.2018
Product: **VOGAPAIR SEAL**

Version: 1.0

Date of print 20.09.2018

1. Identification

Product identifier

VOGAPAIR SEAL

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

Non-shrink cementitious Mortar

DESCRIPTION

VOGAPAIR SEAL is a high strength, polymer modified, cementitious mortar designed for repairing of vertical and horizontal surfaces of concrete and masonry.

APPLICATION FIELDS

VOGAPAIR SEAL is used for general repair purposes of damaged or spalled concrete, repairs honeycombs, cracks and fissures.

ADVANTAGES

1. Excellent weathering resistance.
2. Rust inhibiting properties since it does not contain calcium chloride.
3. Non-shrink, non-toxic & non-flammable.
4. Can be used for filling voids or holes in floors.
5. Reduces rate of diffusion of carbon dioxide & chlorides.

APPLICATION INSTRUCTIONS

VOGAPAIR SEAL must be applied to a clean, dry substrate free from laitance, dust, dirt, oil, grease and other contaminants.

- Clean and dampen the concrete surface with water.
- If steel is heavily corroded that significant loss of section has occurred, add new steel. (Please consult a qualified engineer).

APPLICATION

- Apply a slurry coat by brush over reinforcing rods and concrete.
- Slush mix under and make sure all cracks and voids are filled.
- mix **VOGAPAIR SEAL** to a thicker consistency and apply layers of 20-25 mm.
- Scratch each layer before applying the next in order to improve the bonding.
- Each new layer should be applied within 1-2 hour.
- Remodel to the original profile.

TECHNICAL DATA

Product characteristics	
Compressive Strength 7 days(ASTM C579)	45-50 N/mm2
Flexural Strength (ASTM C580)	6-8mN/mm2
E- Modules	25000 N/mm2
Adhesion strength to concrete (BS 1881)	>2 N/mm2
Color	Grey
Pot life at 25 °C, (hours)	30 min
Specific gravity	42 ±2 %
Diluents	20 ±0.2

CURING

Allow **VOGAPAIR SEAL** to cure for at least 5 days at 20 OC and 50% R.H before putting into service to heavy traffic. Applications at lower temperatures, high humidity and/or poor ventilation conditions require longer drying and curing times.

CONSUMPTION

Estimated consumption for **VOGAPAIR SEAL**
as a repairing layer 2 kg/m2/1mm

These are for guidance only and may vary depending on porosity, texture, substrate conditions and application method.

CLEANING

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

PACKAGING

VOGAPAIR SEAL is supplied in pre-weighed set of 25 kg.

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 between5 °C and 30 °C.