

VOGA POLY

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VOGEL SYSTEMS Technical data sheet
Date / Revised: 19.09.2018
Product: **VOGA POLY**

Version: 1.0

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1. Identification

Product identifier

VOGA POLY

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

Sprayed polyurea membrane for waterproofing

DESCRIPTION

VOGA POLY Solvent free, two-component, hot-applied-spray polyurea coating material. The permanently elastic and crack-bridging coating material is designed for use in surface protection, especially concrete protection.

VOGA POLY develops excellent physical properties when cured at room temperature. The low viscosity and good working life allows easy handling and release of entrapped air.

APPLICATION FIELDS

1. Foundry patterns .
2. Core boxes .
3. Protection of polyurethane foam.
4. Waterproofing and protection of all types of Lacks , roofs , terraces, etc.

ADVANTAGES

1. Low mixed viscosity .
2. Very good chemical resistance to water.
3. Very low moisture sensitivity when mixing and pouring .
4. Long pot life .
5. Excellent wear resistance .
6. Tough, impact resistant.
7. seamless continuous membrane.

APPLICATION INSTRUCTIONS

- Surface must be sound, clean and dry, free from dust, laitance, and other contaminants.
- Surface to be prepared by shot blasting or any approved mechanical means.
- Sweep or vacuum any dust or loose particles.
- Expansion joints once opened up and clean, should be treated with sealant from **VOGAFLEX®** .
- Prime and seal the porosity of the substrate with one coat of the **VOGAFLOOR 120 ® PRIMER** solvent-free primer

APPLICATION

- Apply two coats in perpendicular direction with a recommended thickness .
- It is recommended the first coat to be applied with the minimum possible consumption, to check and detect previously any possible problem .Once checked, apply the remainder coat with its usual consumption.
- For outdoor applications exposed to UV-rays, apply UV topcoat, one or two coats of **VOGAPROTECT PU ®**.

CONSUMPTION

Estimated consumption **VOGA POLY**

1,0 kg/m² per coat with an average thickness of about 1 mm

CLEANING

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

PACKAGING

VOGA POLY is supplied in two-component sets of 400 kg (A + B) in 200 kg drum.

SAFETYAND HEALTH

VOGA POLY is a non-toxic product but direct contact with skin and eyes must be avoided .

- Use rubber gloves and safety goggles when handling, mixing and applying the product .
- If ingested seek medical advice.

TECHNICAL DATA

Product characteristics	
Density, (g/cm³)	1.12
Cubic inch per pound	25.6
Mixing ratio for A:B by weight (kg:kg)	100:60
Hardness, Shore D	60 ±5
Temperature / Relative Humidity , (°C / %)	10-40/85
Coefficient of Thermal Expansion -22° to 86°F, in.in.°F -30° to 30°C, in/in/°C	1.04 x 10 ⁻⁶ 18.7 x 10 ⁻⁶
Drying time to touch at 20 °C, (s)	5-8
Waiting time between coats at 20 °C, (min)	>7
Elongation at break, (%)	462
Tensile strength (N/mm²)	12.8
Compressive Strength, 0.2% offset, psi	1,100
Tear strength, (ppi)	550
Linear Shrinkage, in/in	0.0001
Abrasion resistance, (mg)	138
Flexural strength	6.9
Permeability to methane, (cm 3mm/(m) 2 24h	50

STORAGE

Six 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.