

VOGAPUR-PA

PAGE 1 / 4

VOGEL SYSTEMS Technical data sheet
Date / Revised: 19.09.2018
Product: **VOGAPUR-PA**

Version: 1.0

Date of print 20.09.2018

1. Identification

Product identifier

VOGAPUR-PA

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

High Gloss, High Strength, UV Resistant,, Chemical Resistant, Polyaspartic Aliphatic Polyurea Coating

DESCRIPTION

VOGAPUR-PA is a pure 100% solids sealer and top coat, has zero odors . It is suitable for concrete and over existing epoxy coating It can be applied at low temperature, when, fully cured, it will produce a highly abrasion wear resistant, high gloss and smooth finish over concrete, wood or steel.

APPLICATION FIELDS

- It can be used for:
 1. Cold storage area.
 2. Industrial warehouses.
 3. Food processing areas.
 4. Pulp and paper mills.
 5. Chemical plants.
 6. Aircraft hangars and garages.
 7. Patios, walk ways and driveways.
 8. Show rooms ,Automobiles dealerships.
 9. Resturants floors ,Entry and lobby areas.
 10. Fish ,meat ,poultry processing .
 11. Bakeries ,breweries ,dairies .
 12. Kitchens ,cold storage areas.

ADVANTAGES

1. Excellent chemical resistance USDA, CFIA acceptable..
2. Three times more durable than epoxy coatings.
3. Cures at low temperature for food contact.
4. UV stable & No odor and zero - VOC.
5. High tensile strength & Excellent adhesion.
6. Can be applied in as a single coat up to 400 microns.

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 to achieve a surface profile pf (CSP2-3).
- Sweep or vacuum any dust or loose particles.
- Concrete compressive Strength after 28 days should be 25 Mpa and tensile bond 1.5 Mpa.

TECHNICAL DATA

Product propeties	
Density (colored) (Transparent)	1±0.19 gm/cm ³ / 1±0.08 gm/cm ³
Temp. Resistance	-40 - +140 °c
Pot life at 25 °c (colored) (Transparent)	15 minutes / 35 minutes
Recoating time at 25 °c (colored) (Transparent)	min 45 minutes max 24 hours min 1 hour max 24hours
Curing time at 25 °c (colored) Foot traffic Light traffic Heavy Traffic	3-4 hours 8 hours 5 days
Curing time at 25 °c (Transparent) Foot traffic Light traffic Heavy Traffic	2-3hours 8 hours 5 days
Tensile strength (colored) (Transparent)	14-15kg/cm ² / 13-14 kg/cm ²
Elongation (colored) (Transparent)	40-50% / 90-100%
Shore D Hardness (colored) (Transparent)	70-75 / 60/65
Abrasion Resistance (colored) (Transparent)	35-38mg.Loss / 66.5mg.Loss
Pull off strength (colored) (Transparent)	2.5-3 N/mm ² / 2-3 N/mm ²
Tensile Strength	Excellent, please consult Technical office

HOW TO USE

MIXING:

- Premix (A&B) separately in its containers. Add Part B to part A and mix thoroughly for 2 minutes with low speed mixer or by hand.
- If desired add in 5%-15% MEK or acetone for thinning and stir.
- Avoid air bubbles while mixing.

APPLICATION :

- The coating can be applied with brush, roller, squeegee or airless spray.
- Apply to provide a uniform coverage without bonding and apply it in a multi directional motion at a thickness (100-500 microns)/coat.
- It can be used as a clear top coat for a broadcast quartz or flake system or used as a pigmented coating with color chips or quartz.
- Application temperature (-5°C / +50°C).

CONSUMPTION

Estimated consumption **VOGAPUR-PA** : 0.43 - 0.48 Kg/m² (D.F.T. 400 microns).

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

VOGAPUR-PA is supplied in pre-weighed 1,3,5kgm (A&B) pails .

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

VOGAPUR-PA 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.