

VogaSport PU-SL

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VOGEL SYSTEMS Technical data sheet
Date / Revised: 22.09.2020
Product: **VogaSport PU-SL**

Version: 1.0

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1. Identification

Product identifier
VogaSport PU-SL

**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

Self-Leveling Polyurethane Coating – Two-Component System

DESCRIPTION

VogaSport PU-SL Two-component, self-leveling, solvent-free polyurethane flooring system designed for indoor and outdoor sports surfaces. Provides elastic, seamless, durable flooring suitable for professional courts.

APPLICATION FIELDS

1. Indoor Sports Courts (Basketball, Volleyball, Handball):

Provides a seamless, elastic, and durable surface with excellent shock absorption and player comfort.

2. Multi-purpose Halls:

Suitable for a variety of sports and non-sporting events due to its flexibility and resistance to wear.

3. Running Tracks and Gym Areas:

Offers high abrasion resistance, slip resistance, and long-lasting performance under heavy foot traffic.

4. School and University Sports Facilities:

Easy to maintain and safe for student use with customizable surface properties.

5. Recreational and Community Centers:

Aesthetic finish with customizable colors and markings, suitable for both indoor and covered outdoor areas.

ADVANTAGES

- 1.High elasticity and shock absorption .
- 2.UV and abrasion resistant .
- 3.Solvent-free, low VOC.
- 4.Smooth finish, easy to clean
- 5.Economy and easy to apply

APPLICATION INSTRUCTIONS

▪ Surface Preparation

- **Inspect Substrate:**
Concrete must be fully cured, clean, dry, and free from dust, oil, grease, or laitance.
- **Mechanical Preparation:**
Use shot blasting or diamond grinding to achieve a rough, open-textured surface (CSP 3-4).
- **Repair Defects:**
Fill cracks, holes, and surface defects using suitable epoxy or PU repair materials.
- **Check Moisture:**
Ensure moisture content is below 4%. Apply moisture barrier if necessary.
- **Mixing:**
 - Stir each component (A & B) separately before mixing.
 - Pour Component B into Component A and mix mechanically for 2-3 minutes at low speed (300-400 rpm) until a uniform, homogeneous mixture is achieved.
 - Avoid air entrapment.
- **Application:**
 - Pour the mixed material onto the prepared surface.
 - Spread using a notched trowel or squeegee to achieve desired thickness.
 - Use a spiked roller immediately after application to release trapped air and ensure smooth leveling.
- **Working Time:**
 - Apply within the specified pot life (typically 20-30 minutes, depending on temperature).
 - Avoid application under direct sunlight or in high humidity.

TECHNICAL DATA

Product characteristics	
Density	1.40 – 1.50 Kg/L
Viscosity	3.500 – 8.000 mPa•s at 25oC
Pot-life	20 - 30 min at 25° C
Hardness (Shore A)	80
Application temperature	10 – 40 °C
Curing	After 24 hours
Color	Upon request

CONSUMPTION

Estimated consumption **VogaSport PU-SL**

2.0 - 2.2 Kg/m² for 1 layer

CLEANING

Tools and equipment should be cleaned, immediately after use, with thinner.

Once product cures, this can only be removed by mechanical means.

PACKAGING

VogaSport PU-SL is supplied in 10 kg and 25 kg.

SAFETY AND HEALTH

VogaSport PU-SL is a non-toxic 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.

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.