

## Product Description

La BerrySeal PU 1K is new generation single component polyurethane based elastomeric low modulus sealant does not require primer, which cures under the effect of atmospheric humidity to form a high elasticity joint that has a good resistance to tear and to weather.

## Uses

La BerrySeal PU 1K can be used for bonding various construction materials and sealing construction/ expansion and floor joints.

- Highways
- Bridge decks
- Airport / Runways.
- Railways/ Metro
- Nuclear & Thermal Power stations
- Hospitals / radiation zones
- Civil structures including building
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This adhesive sealant adheres without primer on substrates commonly used, like wood, anodized aluminum, polyester, glass, concrete, baked clay, stone, ceramic tiles. For difficult materials, including plastics such as PVC, ABS, PMMA, or materials such as raw aluminum or lacquered metal, perform preliminary tests to determine whether a surface preparation is necessary.

## Advantages

- One-component, ready to use
- No Primer required
- Fuel resistant
- Excellent adhesion to many substrates
- Good weathering and ageing properties
- Movement Accommodation Factor (MAF) 50%
- Excellent workability, easy to smooth
- Can be overpainted / sanded
- Excellent durability ■ UV resistant
- Non-staining ■ Low VOC

## Technical Properties

Appearance	Pasty
Color	Grey - White and others on request
Solid content %	>92
Density at 20°C	1.16 ± 0.02
Elongation %	600 %
Shore A hardness (ASTM D 2240)	30 ± 0.02
Sagging (ISO 7390)	< 3 mm
Application temperature	5°C to 40°C
Skin formation time at 23 °C and 60% HR	5 to 8 h
Cure time at 23 °C and 50 % HR	2 mm/ 24 h
Movement Compatibility % (MAF) (ASTM C 719)	50%
Modulus at 100 % Mpa (ASTM D 412)	≤ 0.4 MPa
Tear resistance (ISO 34)	Env. 6.5 N/ mm
Temperature resistance	-40 to + 90°C
UV resistance	Excellent
Classification according to ISO 11600 standard	Class F – 25LM – M1up*, Aup* (* up: means without primer)
Non- staining (ASTM C-1248-93)	Doesn't stain the marble or granite stone or any porous surface

## Standards

### Standards compliance

La BerrySeal PU 1K complies with the requirements of: ASTM D 2240, ISO 7390, ASTM C 719, ASTM D 412, ASTM C-1248-93

## Consumption Guidelines

Joint width	10 mm	15 mm	20 mm	25 mm	30 mm	35 mm	40 mm
Joint depth	8 mm	8 mm	10 mm	12 mm	15 mm	15 mm	20 mm
Theoretical Coverage / 600ml sausage	7.5 m	5 m	3 m	2 m	1.3 m	1.1 m	0.75 m

**Note:** Practical wastage not considered

## Application Instructions

The substrates must be clean, even, dry, free of dust, oil, grease and any contaminants that could harm bonding. They may be cleaned with methylethylketone (MEK), acetone or grease remover.

Apply a primer only if necessary (in case of poor surface condition). Check the compatibility of the solvent used with the substrates. When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier. We recommend to clean concrete with a metal brush.

### Caulking

La BerrySeal PU 1K can be applied by a manual or pneumatic gun. After application, use a putty knife to smooth the joint with soapy water. This product should be used within 24 hours of opening the cartridge or sausage; otherwise, the sealant could harden inside. Do not apply at a temperature under 5°C. In cold weather, store the sausages at about 20 °C before use.

Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

### Cleaning

Tools should be cleaned with MEK or acetone before the sealant has completely cured. After curing, abrasion is necessary

## Storage & Shelf Life

12 Months in closed original packaging stored in dry premises at a temperature lower than 25°C.

In cold weather, store the cartridges at about 20°C before use.

## Package

La BerrySeal PU 1K : 600ml sausage

## Health & Safety

Some people are sensitive to epoxy resins so gloves and a barrier cream are recommended to be worn when handling these products. If contact with the resin occurs it must be moved before it hardens followed by washing with soap and water do not use solvent. In the event of contact with the eyes irrigate liberally with clean cold water and seek medical advise.

**Important:** La Greens India Pvt. Ltd., products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, La Greens India does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.



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