

Polyurethane Two Component Sealant**DESCRIPTION**

OASEALANT 221 polyurethane sealant material is a two component and low modulus product which cures to form the permanent elastic adhesive property. This product can be applied to the materials such as concrete and stone, normally been used to the building industry with excellent result.

PRODUCT HIGHLIGHTS

- Excellent adhesion: Suitable for concrete, aluminum and steel etc.
- Excellent elasticity: Sealant for the expansion joints of concrete.
- Excellent weather resistance and durability: aging resistance to Ultra Violet light exposure.
- Environmentally friendly: MDI-based, solvent-free product.

RECOMMENDED USES

- Sealant for expansion joints of the building
- Sealant for expansion joints of roads, bridge and airport areas etc.
- Sealing of precast building, automobile parts, containers, ship and window frames of cottages.
- Waterproofing sealant of steel construction and storage tank.
- Sealing application of waterproofing, sports courts, running tracks, flooring and so on.

APPLICATION

- Joint sides must be sound, clean, dry and free from dust, oil and grease. Paint residues must be completely removed.
- Insert backup material to assure correct joint depth and to prevent three-sided joints. The depth of joint should be 1/2 – 2/3 smaller than the width of joint.
- Use marking tape on both joint sides, for neat and clean straight flanks.
- Apply BP-333 primer on joint flanks only. Allow the primer to cure prior to apply the sealant.
- Fill joint completely with sealant. Cut nozzle, place in caulking gun and puncture seal inside spout. Ensure there are no cracks.
- Remove protective tape after placing the sealant; do not apply when the material is wet.

PACKAGING & STORAGE

Component A: 10 kg

Component B: 5 kg

- The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 0°C and +25°C. Higher storage temperatures may reduce shelf life of product.

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OASEALANT 221**Technical Data Sheet****Polyurethane Two Component Sealant**

- Store under cover out of direct sunlight and protect from extremes of temperature.
- Shelf life: See label on the package according to the above conditions.

TYPICAL PROPERTIES

Item	Test Method	Result	
Mixing ratio by weight		2:1	
Specific gravity	ASTM D792	1.2±0.1	
Tensile strength(kgf/cm ²)	ASTM D412	12 ↑	
Tear strength(kgf/cm)	ASTM D624	6 ↑	
Elongation(%)	ASTM D412	600 ↑	
Hardness(A)	ASTM C661	20-30	
Slump	ASTM D2202	Non-sagging	
Aging test	Hardness	ASTM C661	18° A ↑
	Tensile strength	ASTM D412	80% variation of the original value
	Tear strength	ASTM D624	80% variation of the original value
	Elongation	ASTM D412	80% variation of the original value

* The surface should be primed with primer before application

* Meet ASTM C920-TYPE M GRADE NX. CLASS 25

LIMITATION

- Do not apply to wet, contaminated or friable substrates.
- The temperature below 15°C will retard the curing.
- Thickness cannot be exceeded 1 mm per coat in case to prevent the blister on the surface.
- The coverage will depend on the condition of the surface.

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