



BYOSEALANT

Polyurethane sealant (Grey & White)



DESCRIPTION

BYZON BYOSEALANT Polyurethane Construction Sealant, Polyurethane Sealant and Polyurethane Adhesive Sealant products are one component, moisture curing products which form permanent elastic bonds. They bond to a wide variety of materials including plastics, metals, fiberglass, and wood. They are formulated to have a wide variety of Shore A hardness, open times, and performance parameters to meet many application needs.

FEATURS & BENEFITS

- ▶ Ready to use single component product.
- ▶ Forms a permanent, tough, elastic rubber seal.
- ▶ Excellent adhesion to concrete, brickwork, painted wood, glass, glazed surfaces, aluminum, stainless steel, steeland plastics.
- ▶ Non-sag.
- ▶ No staining of cementitious substrates.
- ▶ Accommodates continuous and pronounced cyclic movement.

AREA OF APPLICATION

- ▶ Movement joints in precast concrete construction.
- ▶ Balcony parapets.
- ▶ Retaining walls.
- ▶ Bridge culverts.
- ▶ Floor joints.
- ▶ General caulking to windows,door frames & skirting etc

METHOD OF APPLICATION

1. Surface preparation

- ▶ The joint surface should be sound, thoroughly clean, dry and free from grease, oil or any other contamination. All dust and debris must be removed by wire brushing, grinding and vacuuming. Damaged joints should be repaired using a suitable mortar from the BYZON range.
- ▶ Ensure that the filler material such as a closed cell polyethylene sheet or rod is tightly packed and no gaps orvoids are evident at the base of the joint. Where backing rod is not fitted a bond breaker tape must be used.
- ▶ Fix masking tape on both sides of joint surface to provide a neat appearance and ensure the tape is removed immediately after tooling.

2. Application

- ▶ Insert the sealant sausage into a hand operated application gun and apply nominal pressure over the trigger of the gun so that sealant starts extruding out of the nozzle and apply the sealant into the joint. Apply a slight excess for tooling and finishing purpose.

3. Finishing

- ▶ Tool the sealant immediately with a tooling knife by pressing against the joint to remove air pockets and to ensure 100% contact and adhesion with the joint arris.

TECHNICAL INFORMATION

PROPERTIES	RESULT
Colour	Grey & white
Specific gravity	1.22 to 1.28
Tensile strength	15 to 16 N/mm ²
Compressive Strength	25 N/mm ² @ 28days
Elongation at break % DIN 53504 @ 27°C	>500
Cure rate	2 mm per day

COMPLIANCE STANDERD

- › ASTM-920, DIN53504

PRECAUTIONS & LIMITATIONS

- › Do not expose the sealant to high temperatures during application.
- › Do not use in direct contact with materials containing pitch or bitumen
- › Avoid application directly onto damp substrates.
- › Do not expose the sealant to high temperatures during application.

SHELF LIFE

- › 12 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature.

PACK SIZE

- › 600ml foil pack – 20 per box

SAFETY PRECAUTIONS

- › Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.

Note: All technical data tested in this product data sheet are based on laboratory tests. Actual measured data may vary according to trails and quality of material availability