



VexSeal PU40

High Modulus Polyurethane Non-Sag Construction Joint Sealant.

Description

VexSeal PU40 is multipurpose elastic adhesive and joint sealant with a very good application properties, moisture curable polyurethane sealant.

Uses

Suitable for use on:

- Low movement joints
- Suitable for waterproof sealing of back water surface of bridges and tunnels
- Drainage pipes and other waterproof structures.
- For precast panel, concrete internal wall and stone bonding and sealing

Technical Data

Property	Result
Appearance	White, Grey, or Black
Density	1.45
Cure Method	Moisture curing
Tack free time (hr)	1
Curing speed (mm/d)	2.6
Volatile contents (%)	2
Shore A-hardness	46
Tensile strength (MPa)	2.5
Elastic recovery rate (%)	80
Elongation at break(%)	550

Advantages

- No corrosion and pollution to base materials
- Environment friendly.
- Puncture resistance,
- It is easy to repair.
- Good bonding with cement and stone.
- Provides good sealing and flexibility



Application Notes

The following is a summary of critical application points, for a detailed application description refer to the relevant product Method Statement.

Tools and Equipment

Vexseal PU40 should be dispensed using a Caulking gun

Application

- Remove dust, oil and water from the surface of substrates.
- Tack free time and curing speed of polyurethane sealant influenced by environment temperature and humidity. Construction environment temperature: 5-35°C, humidity: 50 ± 5%RH

Limitations of Use

Not recommended for:

- Use in chlorinated water environments (e.g., swimming pools, spas)
- Polyethylene (PE), polypropylene (PP), polycarbonate (PC), acrylic (PMMA), PTFE, soft plastics, neoprene, or bituminous surfaces
- Constant immersion in salt water
- Glazing applications
- Cement-based substrates are less than 28 days old





- Application at temperatures below 5°C or above 35°C
- Exposure to water or alcohol before full cure

Note:

VexSeal PU40 White may yellow if exposed to prolonged natural or artificial UV light. Due to variations in substrates and site conditions, users are advised to test the product to ensure suitability for their specific application.

Product Codes

Color	Size
White	600ml
Grey	600ml
Black	600ml

Estimated Consumption

Joint Size (DxW)	5 x 5 mm	10 x 10 mm	10 x 20 mm	25 x 50 mm
600ml sausage	24m	6m	3m	0.48m

Safety

- Keep away from children
- Avoid contacting with skin and eye. For skin contacted, remove the sealant by cloth, wash the skin thoroughly with soap and water.
- For eye contact, hold eyelids apart and flush thoroughly with water, contact physician.

