



# ZETTEX

STICK WITH US

## TECHNICAL DATA SHEET

### PU 40

**Zettex Europe B.V.**

Plaza 20, 4782 SK Moerdijk

The Netherlands

+31 (0)888-93 88 39

[info@zettex.com](mailto:info@zettex.com)

[www.zettex.com](http://www.zettex.com)

### Product description

PU 40 is a one part, moisture curing, elastic joint sealant and multipurpose adhesive based on polyurethane. Suitable for indoor and outdoor applications. Used as a joint sealant for vertical and horizontal joints, soundproofing of pipes between concrete and sheathing. Caulking between partitions, crack sealing seam sealing, sealing in metal and wood construction, for ventilation construction. Used as a multipurpose adhesive. It is suitable for indoor and outdoor bonding of windowsills, thresholds, stair steps, skirting boards, base boards, crash protections boards, covering boards, prefabricated elements.

### Material

Polyurethane

### Advantages

- Permanently flexible.
- Short cut-off string.
- Stable- No Shrinkage.
- Bonds and seals at the same time.
- Adhesion to a wide range of substrates.
- Replaces rivets and mechanical fasteners.
- Non-sag consistency- Good thixotropy.
- Vibration and sound dampening properties.
- Excellent resistance to ageing, weathering- suitable for indoor and outdoor use.
- Over- paintable with many water/solvent based paints (pre-tests are recommended).

### Applications

- The surface must be clean, dry, free of water, oil, grease or rust and of sound quality. Remove all kind of residues or uncured glue with Zettex Profireiniger. Pre-test substrates for adhesion. Cleaners and primers may be required to achieve an optimal adhesion.
- Long term resistance to fresh water, seawater, lime water, caustic solutions and cleaning agents, Short term resistance to petrol, grease and mineral oil. Not resistant to organic acids, concentrated mineral acids or solvents.
- Pierce through the protective membrane in the front threaded section. Screw on the plastic nozzle and cut it at an angle according to the desired bead thickness and profile. Fit the cartridge into the Zettex Caulkgun and extrude the adhesive/sealant careful preventing air entrapment. Once opened, packs should be used up within a relatively short time. The optimum operating temperature for both substrate and sealant is between 15 and 25 degrees.
- Avoid exposure to high levels of chlorine. Do not cure in the presence of silicone sealants. When applying sealant, avoid air entrapment. After all, clean tools with the Zettex Profireiniger and hands with Zettex Cleaning Wipes. Cured materials can only be removed mechanically.

### Areas of application

Zettex PU 40 is a multipurpose, high performance, sealant and elastic adhesive. Bonds well to a wide variety of substrates and enables permanent elastic sealing with high adhesive strength. Suitable substrates are concrete, wood, metal, painted surfaces and plastics.

### Safety recommendations

Make sure you have read our MSDS carefully before using this product.

### Packaging

- Cartridge 310 ml.
- Sausage 600 ml.

### Storage

ZETTEX PU 40 can be stored for 12 months in its original packing (unopened container) at 10°- 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

### Certificates

-UNI EN IS 9001



ISO 9001

Properties	Specifications
Appearance	Thixotropic paste
Colour	White, grey, black. Others on request
Chemical Nature	Polyurethane
Curing Mechanism	Moisture-curing
Curing through volume [mm] 3 (1 day at 23°C and 50% r.h.)	2,0 – 3,0
Shore A (23°C and 50% r.h.; DIN 53505)	35 - 45
Density [g/cc]	Black: 1,31 +- 0,02 Grey: 1,33 +- 0,02 White: 1,35 +- 0,02
Tack-free time [min] (23°C and 50% r.h.)	45-75
Tensile strength [N/mm <sup>2</sup> ] (ISO 37 DIN 53504)	>1.8
Elongation [%] (ISO 37 DIN 53504)	≥ 450
Application temperature (°C)	from +5°C till +40°C
Temperature Resistance (°C)	-40°C/+90°C, short period up to 120°C