



**ZETTEX**

STICK WITH US

## TECHNICAL DATA SHEET

### PU 20

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### Product description

PU 20 is a one part, moisture curing, low modulus elastic joint sealant based on polyurethane. Suitable for movement and connection joints for indoor and outdoor applications. PU 20 is suitable for sealing joints in civil engineering building construction especially for movement joints in concrete but also for joints in facades, balcony parapets, connection joints (around windows and doors, facades, metal cladding, precast concrete) as well as joints in wood and metal structures.

### Material

Polyurethane

### Advantages

- Permanently elastic over a wide range of temperatures.
- Non-sag consistency.
- Non-sticky/does not pick up dirt.
- Good adhesion on all typical construction materials.
- Good resistance to ageing, weathering and immersion in cleaning agents, sea water, lime water and dilute caustic solutions.
- Short cut-off string.
- Easy to gun, can be easily smoothed and levelled out.
- Over- paintable with many water and solvent based paints.

### 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 Profi Cleaner. The Zettex PU 20 has very good adhesion properties without the use of a primer on most common building materials.
- Recommended application temperatures: 15°C - 25°C. For easier use or cold weather application we recommend the material to be stored at approximately 25°C. For the successful sealing of joints, it is essential that the following guidelines on joint configuration are observed: For joints up to 12 mm wide, width to depth ratio= 1: 1. For joint over 12 mm wide, width to depth ratio= 2:1
- Do not apply when moisture or vapour transmission condition exists from the substrate as this can cause bubbling within the sealant. White colour tends to yellow slightly when exposed to ultraviolet rays. The ultimate performance of Zettex PU 20 depends on good joint design and proper application with joint surfaces properly prepared.

### Areas of application

- Sealing expansion and construction joints in vertical and horizontal applications.
- Joints in precast elements.
- External walling and cladding joints.
- Roofing.
- Retaining walls.
- Joints in walls, floors, balconies, around window or door frames.
- Bridge and balcony parapets.

### Safety recommendations

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

### Packaging

- Cartridge 310 ml.
- Sausage 600 ml.

### Storage

ZETTEX PU 20 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
Shore A (23°C and 50% r.h.; DIN 53505)	25
Density [g/cc]	Black: 1,28 +- 0,02 Grey: 1,33 +- 0,02 White: 1,35 +- 0,02
Tack-free time [min] (23°C and 50% r.h.)	120-140
Tensile strength [N/mm <sup>2</sup> ] (ISO 37 DIN 53504)	>1,5
Elongation [%] (ISO 37 DIN 53504)	≥ 700
Application temperature (°C)	from +5°C till +40°C
Temperature Resistance (°C)	-40°C/+90°C, short period up to 120°C