



**ZETTEX**

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## TECHNICAL DATA SHEET

### 2C Black Standard

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#### Product description

Zettex 2C Black Standard is a fast curing, easy to use structural 2-part polyurethane adhesive which cures by a chemical reaction of the two components forming a durable bond resistant to elevated temperature, moisture, fuel, many solvents and chemicals. Zettex 2C Black Standard is specially designed for small, quick, durable bonding and repair jobs. The use of Zettex 2C Black Standard yields a fast turnaround due to early sanding and painting capability.

#### Material

Polyurethan

#### Advantages

- Good sag resistance properties
- Allowing vertical application
- Excellent gap filling properties
- Small, Quick and Durable.
- Great repairing properties.

#### Application instructions

2C Black Standard adhesive system has been designed for ease of dispensing with both hand-held manual and pneumatic applicator tools. To assure an on ratio dispense we recommend levelling the pistons by placing the opened cartridge in the dispenser and purge till material starts to flow from both cartridge chambers prior to attaching the mixer. After attaching the mixer tip (we recommend to only use the mixer tips included in the package; additional mixer tips can be ordered from Zettex Europe BV) and loading the cartridge into the dispense tool, pull the trigger at a constant and steady rate to force both prepolymer and curative through the mixer tip. It is recommended to discard the first 25 to 50 mm of dispensed material as it may be off ratio. Sufficiently mixed on-ratio adhesive has a uniform black colour, is creamy, smooth and glossy.

The material in the mixer will become very difficult or impossible to dispense at about one-half of the open time. Either keep material flowing through the mixer during short periods of time adhesive is not needed or replace the mixer prior restarting dispense.

After having finished dispensing, leave the mixer in place till 2C Black Standard shall be used again. The remainder of the adhesive will have a shelf life of several weeks if stored properly. To start using 2C Black Standard again, remove the static mixer and dispose of properly. Carefully clean the cartridge nozzle, the products in the two chambers must be cleanly separated. If there is any black-tan mixing on either side dispense some product out of the openings with no mixer tip attached, until only single component product resides in each chamber. Finally attach a new mixer and start dispensing.

#### Available forms

- Cartridges 50 ml total

#### Storage

Unopened containers stored at a dry place indoors at 15 – 32 °C. 2C Black Standard has a Shelf Life of 18 months if stored in the originally sealed cartridge.

#### Safety recommendations

Please read our Material Safety Data Sheet carefully, before using this product.

2C Black Standard	(A) Component	(B) Component
Chemical base	Reactive Isocyanate	Reactive Polyol Mixture Prepolymer
Colour	Black	White
Specific Gravity [g/cm <sup>3</sup> ]	~1,28	~1,21
Viscosity [cps or mPas]	~60.000	~50.000
Appearance	Sag Resistant Paste	Sag Resistant Paste

Properties	Specifications	
Working Time	@ 23° C [min]	90/1.5
Sanding Time	@ 23° C [min]	10
Clamp Time	@ 23° C [min]	5
Shore D Hardness	EN ISO 868 @ 23° C	63
Tensile Strength	EN ISO 527 @ 23° C [MPa]	23
Young's Modulus	EN ISO 527 @ 23° C [MPa]	420
Elongation at Break	EN ISO 527 @ 23° C [%]	55
Glass Transition Temperature	ISO 11357 [°C]	65