



ZETTEX

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TECHNICAL DATA SHEET

Chemical Anchor Standard

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Product description

Zettex Chemisch Anker is a two-part chemical anchor. Ensures excellent anchoring of threaded ends, bolts, screws and suchlike in hollow and solid surfaces. Examples include brickwork, hollow brickwork, concrete and cellular concrete. Zettex Chemisch Anker is also the perfect solution for the durable anchoring of sun shading, casings and handrails. It is also a good alternative to synthetic repair mortar for concrete, for example.

Advantages

- Quick-drying.
- For universal use.
- Extremely strong.
- Suitable for slightly moist surfaces.
- Extremely short curing time.

Applications

Zettex Chemisch Anker can be used to anchor:

- Steel trellises and balustrades
- Anchoring in concrete, wind blocks, full brickwork and hollow bricks.
- Anchoring mechanical fastening.

Zettex Chemisch Anker cannot be used on PE, PP or PTFE. It is also important to not use the first 10 centimeters of the adhesive and wait until the colour is homogeneous. If the treatment time has been exceeded, you must change the mixing nozzle. Surfaces must be free of dust and grease. Dust and other dirt in the joints can be removed with Zettex Airjet Economy. After use hands must be thoroughly cleaned with soap, water and a hydrating hand cream.

Certificates

- 0756-CPD-0434 15
- ETA 11/0445
- ETAG 001-1 en 5, optie
- DoP: Z-495321-13



Safety Recommendations

See safety information sheet.

| Properties | Specifications |
|------------------------|---------------------------|
| Density | 1,80 g/ml |
| Frost resistance | -15°C |
| Processing temperature | +5°C tot + 3°C |
| Consistency | Thixotropic pasta |
| Base | Polyester without styrene |

| Temperature base material (°C) | -5 till 0 | 0 till +5 | +5 till +10 | +10 till +20 | +20 till +30 | +30 till +35 | +35 |
|----------------------------------|-----------|-----------|-------------|--------------|--------------|--------------|-----|
| Gelation and working time (min.) | 90 | 45 | 23 | 15 | 6 | 4 | 2 |
| Total curing time (min.) | 360 | 180 | 120 | 80 | 45 | 25 | 20 |

| Measure | | | M8 | M10 | M12 | M16 | M20 | M24 |
|-------------------------------|-------|------|-----|-----|-----|-----|-----|-----|
| Nominal diameter drilled hole | Ød0 | [mm] | 10 | 12 | 14 | 18 | 24 | 28 |
| Depth drilled hole | h0 | [mm] | 80 | 90 | 110 | 125 | 170 | 210 |
| Distance from edge | CcrN | [mm] | 80 | 90 | 110 | 125 | 170 | 210 |
| Minimum distance from edge | Cmin | [mm] | 40 | 50 | 60 | 80 | 100 | 120 |
| Spacing | ScrN | [mm] | 160 | 180 | 220 | 250 | 340 | 420 |
| Minimum spacing | Smin | [mm] | 40 | 50 | 60 | 80 | 100 | 120 |
| Minimum thickness of part | hmin | [mm] | 110 | 120 | 140 | 160 | 215 | 260 |
| Turning torque | Tinst | [mm] | 0 | 20 | 40 | 60 | 120 | 150 |

TYPICAL TENSILE PERFORMANCE - STANDARD EMBEDMENT DEPTH

Concrete, C20/25, 5.8 Grade Studding

| Size | Recommended Load (kN) | | Spacing (Scr,N) (mm) | Drill Hole Ø (mm) | Fixing Hole Ø (mm) | Setting Depth (mm) |
|------|-----------------------|--------------|-------------------------|----------------------|-----------------------|-----------------------|
| | Tension (Nrec) | Shear (Vrec) | | | | |
| M8 | 6.55 | 5.14 | 160 | 10 | 9 | 80 |
| M10 | 8.22 | 8.57 | 200 | 12 | 12 | 90 |
| M12 | 11.34 | 12.00 | 240 | 14 | 14 | 110 |
| M16 | 16.30 | 22.29 | 320 | 18 | 18 | 125 |
| M20 | 25.73 | 34.86 | 400 | 22 | 22 | 170 |
| M24 | 32.16 | 50.29 | 450 | 28 | 26 | 210 |
| M30 | 44.53 | 81.43 | 520 | 35 | 32 | 280 |

TYPICAL PERFORMANCE IN AERATED CONCRETE

Characteristic values of resistance under tension & shear loads for Autoclaved Aerated Concrete. Compressive strength of material $f_b > 6\text{MPa}$ Temp range -40 to +40 C degree.

| Size | Condition | d/d | w/w & w/d | d/d, w/w & w/d |
|------|-----------|--------------|--------------|----------------|
| | Hef (mm) | Tension (kN) | Tension (kN) | Shear (kN) |
| M8 | 80 | 2 | 1.5 | 5 |
| M10 | 90 | 3 | 2.5 | 8 |
| M12 | 100 | 4 | 3.5 | 8 |
| M16 | 100 | 5.5 | 4.5 | 8 |

*Note: The values are valid for steel 5.6 or greater. For steel 4.6 and 4.8 multiply VRk,b by 0,8.