

W-VIZ-IG/A4, W-VIZ-IG/HCR INJECTION SYSTEMS

23.4

With WIT-VM 100
Injection Mortar



Individual fastening:
Cracked and uncracked concrete

W-VIZ-IG/A4 A4 non-rusting steel

For use with the
Application Gun, Art. No. 0891 003,
or HandyMax®, Art. No. 0891 007.

W-VIZ-IG/HCR

Highly corrosion-resistant steel
(material No. 1.4529)
For performance data and characteristic values,
see European Technical Approval ETA-04/0095
Available on special order

W-VIZ-IG/S Injection System, see 23.8

*HandyMax® is a registered trademark of the SORATON SA company.

Proof of performance

Approvals

**European Technical
Approval
Option 1
for cracked and
uncracked concrete**



Drill hole cleaning:

- Clean drill hole:
Blow out 2x, brush out
mechanically 2x, blow out 2x.
For M16 or larger drill hole,
blow out with compressed
air using the appropriate
compressed-air nozzles.

- W-VIZ-IG/A4 (stainless steel A4) can be used in dry interior rooms, outdoors (including industrial atmosphere and near the sea) or in damp rooms.
- W-VIZ-IG/HCR (highly corrosion-resistant steel) can be used under especially aggressive conditions. These conditions include, for example, constantly alternating submergence in sea water, indoor swimming pools with chlorine in the atmosphere and atmospheres with extreme chemical contamination (e.g. road tunnels in which de-icing agents are used).
- Suitable for fastening metal structures, metal profiles, brackets, foot plates, supports, railings, wood structures, beams etc.

2. Advantages

- Commonly available threaded rods and screws (for requirements, see ETA-04/0095) can be used.
- High load-bearing capacities
- Can be set flush with the surface: Attached parts can be removed/mounted again at any time.
- The injection anchor is suitable for use in cracked concrete (concrete tensile zone) and uncracked concrete (concrete pressure zone).
- Hardened injection mortar largely seals off the drill hole.
- Attachment with low expansion pressure allows small axial and edge clearances.
- Geometry of anchor bar allows safe subsequent expansion performance.
- Mechanical drill hole cleaning: Easy handling, very good drill hole cleaning, high load-bearing capacities
- High temperature resistance (long-term up to 72 °C, briefly up to 120 °C)
- Cartridge can be reused by replacing static mixer or by re-closing with sealing cap.

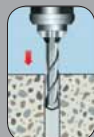
3. Features

- Force-controlled/torque-controlled spreading anchor made of electrogalvanized steel in sizes M6, M8, M10, M12, M16 and M20
- Force is transferred via the mechanical teeth of individual cones in the composite mortar and also via a combination of retaining and friction forces in the anchoring base (concrete).
- A4 non-rusting steel: European Technical Approval ETA-04/0095
- Highly corrosion-resistant steel: European Technical Approval ETA-04/0095
- Dimensioned in accordance with the "Guideline for European Technical Approval (ETAG) of Metal Anchors for Use in Concrete," Appendix C, Measurement Process A.

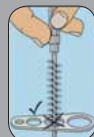
1. Applications

- Can be used for medium to heavy loads.
- With a European Technical Approval, the anchor may be used in reinforced or non-reinforced standard concrete of a strength class of at least C20/25 and at most C50/60 in accordance with EN 206: 2000-12.
- Anchorage with European Technical Approval in cracked concrete (concrete tensile zone) and in uncracked concrete (concrete pressure zone).
- The anchor may be used for anchoring with primarily static loads (e.g. own weight, installations, support materials) or quasi-static loads (e.g. railings).
- Anchor sizes M6 to M8: Installation in dry or wet concrete
- Anchor sizes M10 through M20: Installation in dry or wet concrete and in drilled holes filled with water
- The temperature in the area of mortaring may not exceed +50 °C or +72 °C, briefly +80 °C or +120 °C.

Setting instructions



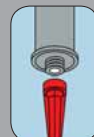
Drill the hole.



Check cleaning
brush dia.



Clean drill hole (blow out 2x,
brush out mechanically 2x, blow
out 2x), with M16 and larger,
blow out with compressed air
(compressed-air nozzle).



Screw mixer onto
cartridge.



Before use, press out approx.
10 cm bead. Do not use this
initial mortar!



Fill composite mortar
starting from base of
drill hole.



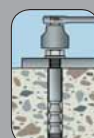
Push in female-thread
anchor while turning
slightly.



Carry out visual check and
comply with composite
mortar hardening time.



Remove extruded mortar
and protective cap.



Install component; maximum
torque may not be exceeded.