

S&P ResAC-19

High performance resin



A Simpson Strong-Tie® Company

DESCRIPTION

S&P ResAC-19 is a styrene-free chemical anchoring resin system suitable for high performance fixing applications in masonry, cracked concrete and non-cracked concrete.

It is designed as a fast curing high strength resin fixing anchor for very high loads and critical and overhead fixings especially in corrosive environments, or damp conditions.

The colour of the mortar changes from blue to grey during the curing process. Subsequently the anchorage can be loaded immediately.

SCOPE OF APPLICATION

Support materials

- Cracked / Non-cracked concrete and Masonry

Applications

- Studs, rebar, steel and metal construction
- Consoles, shelves, scaffolds, railings, awnings, climbing aids and fire ladders
- Facade sub-constructions
- Installed Rebar with fire according to EAD 330087
- Subsequent reinforcement connections

PERFORMANCE FEATURES

- High bonding values in concrete
- Suitable for installation in damp and wet drill holes
- High load capacity, easy to dispense and short curing phase
- Low odour, Styrene free and easy to extrude
- Suitable underwater
- VOC emission class **A+**

GENERAL FEATURES

PRODUCT DATA

Appearance

Blue paste, blue colour (wet), grey colour (cured)



Not mixed

Pale blue, continue to purge



Mixed

stronger and uniform blue, ready to inject



Cured

Solid grey, ready to load

Packaging

Cartridge: 420 ml

Box: 12 x 420 ml cartridges

Pallet: 1,008 x 420 ml cartridges

Incl. 2 pcs. nozzles per cartridge

Storage

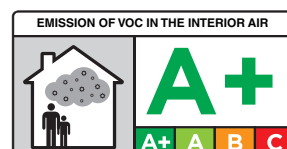
In unopened, undamaged original packaging and dry storage conditions between +5 °C and +25 °C the product has at least 18 months of shelf life.



ETA RODS CONCRETE
 
1404 Simpson Strong-Tie® Int. Ltd. www.strongtie.eu 23 N° ETA-23/0253 EAD 330499-00-0601 M8-M24 Rebar Ø8 to 25mm DoP-e23/0253

ETA REBAR CONCRETE
 
1404 Simpson Strong-Tie® Int. Ltd. www.strongtie.eu 23 ETA-23/0255 EAD 330087-01-0601 Rebar Ø8 to 12mm Dop-e23/0255

ETA RODS MASONRY
 
1404 Simpson Strong-Tie® Int. Ltd. www.strongtie.eu 23 ETA-23/0254 EAD 330076-00-0604 M6-M12 Dop-e23/0254



For complete information regarding the technical characteristics of S&P ResAC-19 please refer to the relevant ETA.

TECHNICAL CHARACTERISTICS

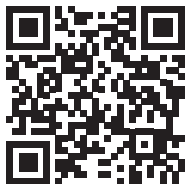
ETA Rods Concrete

ETA Number 23/0253



ETA Rebar Concrete

ETA Number 23/0255



ETA Rods Masonry

ETA Number 23/0254



CONSUMPTION

The calculation of the consumption (in volume) is calculated according to the hole diameter, the diameter of the threaded rod, the length of the anchorage and the material substrate type.

The information in this section is given for illustrative purposes only (application on concrete support). The application methods are described in ETA 23/0253, 23/0255 or 23/0254 (depending on the intended application).



Concrete
Drill hole by using the hammer function on the drill.



Blow and brush as mentioned in the table below.



Before injection: Press out the mortar until it has a uniform light blue colour. Discard unmixed mortar (min. 3 complete triggers)! Inject mortar starting at the back of the drilled hole until approx. 2/3 of the drilled hole has been filled.



Push a clean and oil-free anchor rod with slight rotary movements into the back of the drilled hole.



Once set, full load capacity is reached.

INSTALLATION

Note: Please see relevant ETA and/or product packaging for detailed installation instructions

Manual Air Cleaning (MAC) for all drill hole diameters $d_0 \leq 24$ mm and drill hole depth $h_0 \leq 10d$	Compressed Air Cleaning (CAC) for all drill hole diameters d_0 and drill hole depths
4x blowing (Hand pump)	2x blowing (min. 6 bar - oil free compressed air)
4x brushing	2x brushing
4x blowing (Hand pump)	2x blowing (min. 6 bar - oil free compressed air)

Curing times

Minimum base material temperature	Gel time (working time) in dry/wet concrete	Curing time in dry concrete (min)	Curing time in wet concrete
$0^\circ\text{C} \leq T_{\text{base material}} < 10^\circ\text{C}$	20 min	90 min	180 min
$10^\circ\text{C} \leq T_{\text{base material}} < 20^\circ\text{C}$	9 min	60 min	120 min
$20^\circ\text{C} \leq T_{\text{base material}} < 30^\circ\text{C}$	5 min	30 min	60 min
$30^\circ\text{C} \leq T_{\text{base material}} < 40^\circ\text{C}$	3 min	20 min	40 min

The temperature of the bond material: $\geq +20^\circ\text{C}$

MATERIALS

S&P proposes specific tools to facilitate and optimize the use of sealing resins.

- Mixers and extenders
- Brushes
- Blower pumps
- Electrical and mechanical guns

TESTING

Please contact us if you require any information regarding tests that have been conducted. Test reports may be available.

CLEANING

Mixture that has not yet hardened can be washed off with S&P Cleaner. Mixture that has hardened can only be removed by mechanical means.

WARNING

The shelf life of the sealing resin in cartridge must be respected.

The S&P product range is intended for industrial use. They must be installed by specialized personnel and competent professionals, who have received appropriate training. The application instructions must be followed and respected, they are detailed on the label.

Application guides are available on our website.

HEALTH & SAFETY

Important safety instructions

For detailed safety information, we recommend that you see the current safety data sheet which is available on www.sp-reinforcement.ch or you can contact us on +41 41 825 00 70.

The information in this technical data sheet is valid for products delivered by S&P Clever Reinforcement Company AG, Switzerland. Please note that the information in other countries may differ, and always use the local product data sheet in each respective country. The information and data in this technical data sheet serve to ensure the normal intended use and normal application suitability; the information and data are based on our knowledge and experience. They do not absolve the user from their own responsibility to check the suitability and application method. The rights to make changes to product specifications are reserved. Furthermore, our general sales and delivery terms apply. The current, most recent product data sheet is valid, and should be requested from us.

Head Office - S&P Clever Reinforcement Company AG

Seewernstrasse 127

CH-6423 Seewen

Phone: +41 41 825 00 70

Fax: +41 41 825 00 75

Web: www.sp-reinforcement.ch

E-Mail: info@sp-reinforcement.ch