Product Overview

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P400C+

Two Part Styrene Free Resin Anchor

NEW
IMPROVED
STYRENE FREE
FORMULA

We are pleased to introduced **P400C+** the new improved, styrene free formula which will replace our P400C. This advanced high performance anchoring grout comes with enhanced features and benefits.

Product Features

- Suitable for both cracked and uncracked concrete.
- Styrene Free - low hazard formula.
- Suitable for use with close edge distance and small anchor spacings.
- Installation in dry, wet or flooded conditions, while maintaining consistent bond and product performance.
- Gel and cure times are not affected by the presence of humidity in the drilled holes.
- Non-sag thixotropic formulation for overhead applications without specific accessories.
- Economical: reduced drilling diameters, 22mm for M20 and 26mm for M24; result in significant material and labour savings.
- Variable installation depths from 4 to 20 times the anchor diameter.
- ETA Approved.
- C2 Seismic category - qualification procedure for more demanding structural and non-structural applications via critical tests with pulsating loads on dynamic cracks. Also beneficial for other types of dynamic forces including vibration, high winds and heavy impacts.
- Low odour for better application indoors or in confined spaces.
- Available in 410ml co-axial cartridges.
- Ratio of 10:1 Resin to Curing Component.
- 100 Years working life.
- Fire Exposure Curve for threaded rods (up to 341°C) and post-installed rebar connections (up to 308°C).

C2 SEISMIC
ETA
CE

WHO ARE rbs?

The rbs range was established over 10 years ago and is one of exceptional products, tried and trusted within the construction industry to get the job done. The extensive range of products are accompanied by the industry renowned Resapol training, technical help and delivery promise.

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Areas of Use

- Structural applications in cracked and non-cracked concrete
- Reinforcing & starter bars
- Suspended ventilation systems
- Safety barriers and hand rails
- Heavy machinery
- Fixing brackets
- Racking

Materials

- Cracked & uncracked concrete
- Masonry solid
- Masonry hollow
- Solid rock
- Autoclaved Aerated Concrete (AAC)
- Hard natural stone
- Voided stone
- Voided rock

Approvals

- ETA according to EAD 330499-02-0601 (Formerly TR29).
- ETA according to EAD 330087-01-0601 (TR023: Rebar Connections).

Working & Loading Times

Cartridge Temperature	Working Time	Base Material Temperature	Loading Time
5°C	18 Minutes	5°C	145 Minutes
5°C to 10°C	10 Minutes	5°C to 10°C	145 Minutes
10°C to 20°C	6 Minutes	10°C to 20°C	85 Minutes
20°C to 25°C	5 Minutes	20°C to 25°C	50 Minutes
25°C to 30°C	4 Minutes	25°C to 30°C	40 Minutes
30°C		30°C	35 Minutes

Click to view the datasheet on the Resapol website

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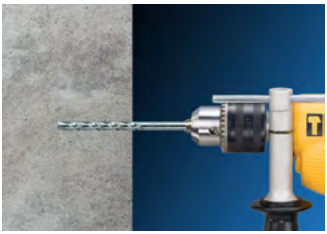
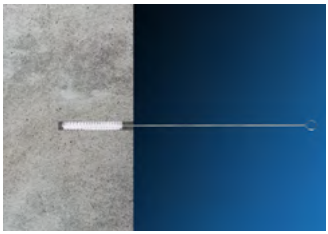
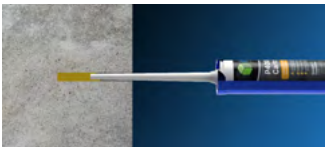
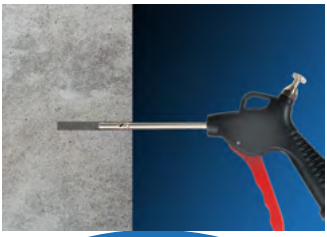
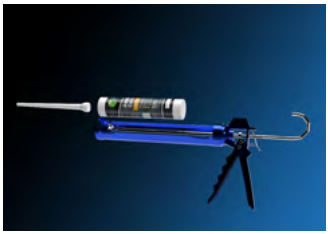
Step by step guide

- Drill the hole to the specified hole diameter and depth.
- Flush the hole with compressed air for 2 seconds at a minimum of 90psi (6 Bar).
- Clean the hole with a suitable cleaning brush.
- Affix the mixer nozzle and extrude resin until an evenly coloured mixture is achieved.
- Insert the nozzle into the bottom of the hole. Extrude the resin and slowly withdraw the nozzle from the hole, ensuring no air voids. Continue until the hole is approx ¾ full and remove nozzle from hole.
- Select the steel anchor element and insert into the hole using a back and forth twisting motion, until is reaches the bottom of the hole. Excess resin will be expelled from the hole evenly around the steel element, there should be no gaps between the anchor element and the wall of the drilled hole.
- Clean any excess resin from around the mouth of the hole. Refer to the working and loading times for appropriate cure time.
- Once cured position the fixture and tighten the anchor to the appropriate installation torque.

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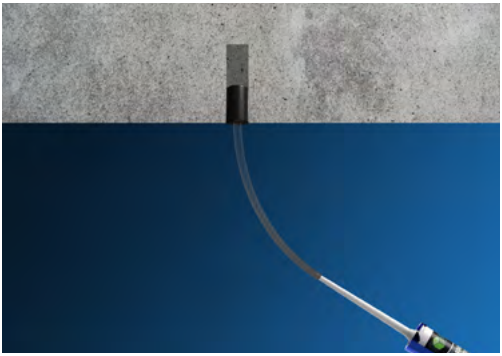
Application Advice

from Paul Rigby

Resapol National Technical Support Manager

HINTS AND TIPS FOR THE BEST POSSIBLE APPLICATION RESULTS

- Always wear eye protection and disposable gloves. This is a must!
- Clean tools with a solvent based cleaner before the resin cures.
- For deep embedment and overhead applications attach the correct diameter and length extension tube to the nozzle. If necessary select a suitable diameter resin stopper. Connect these and push to the back of the hole. Ensure the tube is angled to allow free movement of the resin stopper as the resin is extruded. Continue to follow the application instructions on the previous page for inserting the steel anchor element.
- Take care not to over-torque the anchor when tightening, as this could adversely affect its performance.



If you have any questions or need further advice please don't hesitate to contact Paul - **prigby@resapol.com**

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