

# EP800 PURE EPOXY

## AVAILABLE MATERIALS

- Pure Epoxy
- 1:1 Ratio

## FEATURES/ADVANTAGES

- Compliant with the newest design codes
- OSHA compliant
- Qualified for seismic design (Category A-F)
- Suitable for heavy anchoring and post-installed rebar connection
- High chemical resistance
- Low odor
- High bending and pressure strength
- Maximum performance in concrete
- The cartridge, can be reused up to the end of the shelf life by replacing the static mixer or resealing the cartridge with the sealing cap



9.5 fl.oz (280ml)  
Single-tube

20.5 fl.oz (610ml)  
Twin-tube

## CONSIDERATIONS

- 24 month shelf life

## APPROVALS/LISTINGS

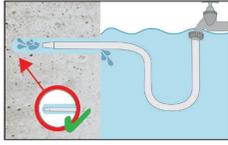
- ICC-ES (ESR-4901) cracked concrete
- Tested to AC308 & ACI355.4
- LEED Attestation (VOC)
- DOT Approvals/Listings
- Application in dry, wet, submerged concrete or water-filled boreholes, overhead application, etc.
- Diamond Core Bit

INSTALLATION	
Drilling of the bore hole (HD, CD; HDB) - ESR-4901	
Precaution: Wear suitable eye and skin protection. Avoid inhalation of dusts during drilling and/or removal. (see dust extraction equipment by Chemofast to minimize dust emissions)	
	<p>1. Drill a hole into the base material with a hammer drill tool to the size and embedment required by the selected steel hardware element (see Table on page 12). The tolerances of the carbide drill bit must meet the requirements of ANSI Standard B212.15. For bore holes drilled with the Chemofast hollow drill bit system (consisting of Heller Duster Expert drill bits and a Class M vacuum with air flow 150 m³/h resp. 42 l/s resp. 90 cfm; the vacuum must be on!) no further cleaning is required go to Step 3, otherwise to Step 2a for MAC or CAC hole cleaning instructions.</p>
Attention! Standing water must be removed (e.g. vacuum, compressed air, etc.) prior to cleaning.	
CAC: Cleaning (dry, water saturated and water-filled) for all drill hole diameter in uncracked <b>and</b> cracked concrete	
	<p>2a. Starting from the bottom or back of the anchor hole, blow the hole clean with compressed air (min. 6 bar / 90 psi) a minimum of two times, until return air stream is free of noticeable dust. If the back of the drilled hole is not reached an extension shall be used.</p>
	<p>2b. Determine brush diameter (see Table on page 12) for the drilled hole. Brush the hole with the selected wire brush a minimum of two times (2x). A brush extension (supplied by Chemofast Anchoring GmbH) must be used for drill hole depth &gt; 6" (150 mm). The wire brush diameter must be checked periodically during use (<math>\phi_{brush} &gt; d_{b,min}</math> see Table on page 12). The brush should resist insertion into the drilled hole - if not the brush is too small and must be replaced with the proper brush diameter. If the back of the drilled hole is not reached a brush extension shall be used.</p>
	<p>2c. Finally blow the hole clean again with compressed air (min. 6 bar/ 90 psi) a minimum of two times, until return air stream is free of noticeable dust. If the back of the drilled hole is not reached an extension shall be used. When finished the hole should be clean and free of dust, debris, ice, grease, oil or other foreign material.</p>

# EP800 PURE EPOXY CONTINUED

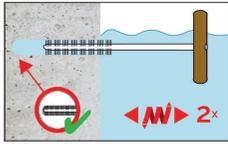
## INSTALLATION

UWC: Cleaning (submerged) for all bore hole diameter in uncracked and cracked concrete



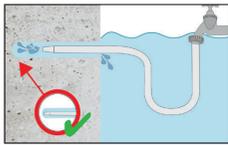
2a.

Starting from the bottom or back of the bore hole, rinse/flush the hole clean until clean water comes out. If the back of the drilled hole is not reached an extension shall be used.



2b.

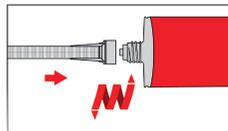
Determine brush diameter (see Table on page 12) for the drilled hole. Brush the hole with the selected wire brush a minimum of two times (2x). A brush extension (supplied by Chemofast Anchoring GmbH) must be used for drill hole depth > 6" (150 mm). The wire brush diameter must be checked periodically during use ( $d_{brush} > d_{b,min}$  see Table on page 12). The brush should resist insertion into the drilled hole - if not the brush is too small and must be replaced with the proper brush diameter. If the back of the drilled hole is not reached a brush extension shall be used.



2c.

Finally, starting from the bottom or back of the bore hole, rinse/flush the hole clean until clean water comes out. If the back of the drilled hole is not reached an extension shall be used.

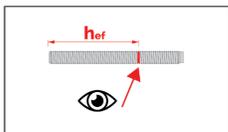
After cleaning, the bore hole has to be protected against re-contamination in an appropriate way, until dispensing the mortar in the bore hole. If necessary, the cleaning has to be repeated directly before dispensing the mortar. In-flowing water must not contaminate the bore hole again.



3.

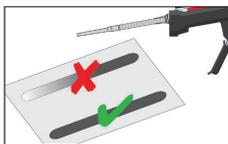
Check adhesive expiration date on cartridge label. Do not use expired product. Review Safety Data Sheet (SDS) before use. For the permitted range of the base material and cartridge temperature see Table on page 4. Attach a supplied mixing nozzle to the cartridge. Do not modify the mixer in any way and make sure the mixing element is inside the nozzle. Load the cartridge into the correct dispensing tool.

Note: Always use a new mixing nozzle with new cartridges of adhesive and also for all work interruptions exceeding the published gel (working) time of the adhesive.



4.

Prior to inserting the anchor rod or rebar into the filled drilled hole, the position of the embedment depth has to be marked on the anchor. Verify anchor element is straight and free of surface damage.



5.

Adhesive must be properly mixed to achieve published properties. Prior to dispensing adhesive into the drilled hole, separately dispense at least three full strokes of adhesive through the mixing nozzle until the adhesive is a consistent gray or red color. Review and note the published working and cure times (see Table on page 4) prior to injection of the mixed adhesive into the cleaned anchor hole.



6.

Fill the cleaned hole approximately two-thirds full with mixed adhesive starting from the bottom or back of the anchor hole. Slowly withdraw the mixing nozzle as the hole fills to avoid creating air pockets or voids. If the bottom or back of the anchor hole is not reached with the mixing nozzle only an extension tube supplied by Chemofast Anchoring GmbH (Cat# 16009 or Cat# 16004) must be used with the mixing nozzle.