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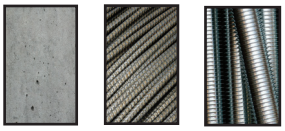
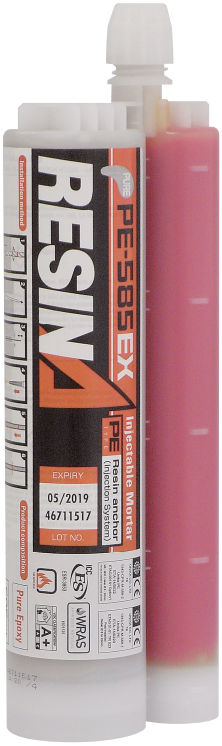
RESIN PE-585EX

Pure Epoxy RESIN



· CARTRIDGE SIZE
585m



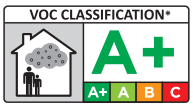
A two component chemical anchoring injection system, in 3:1 ratio.
A formulation derived from pure epoxy with very high bond strength, developed principally to anchor threaded rods and rebar into concrete. Used for high perfomance structural applications where loading is critical.

· CHARACTERISTICS

- Suitable for high loads featuring large diameters and deep embedments.
- Longer working times make it suitable for large holes, and high temperatures.
- No shrinkage, good for large diameter fixings.
- Use in wet or flooded environments and fixing holes, or underwater.
- High durability, resistance to chemicals.
- Used for diamond drilled holes.
- Solvent free resin.
- Fixings in concrete, wood, or other high strength materials.

· APPROVALS / CERTIFICATIONS / TESTING

- 15/0130 - ETA Option 1 Cracked Concrete / TR029 / TR045 / C2 Seismic. Includes flooded holes, and wet and dry concrete conditions.
- 13/0470 - ETA TR023 Post Installed Rebar Installations.
- 14/0395 - ETA for Diamond Drilled Holes.
- CE Certified 1343-CPR-M-582-1/3/4 - MPA Darmstadt
- ICC-ES Approval ESR 3853 Cracked and Uncracked 2012,2009,2006 IBC & IRC compliant.
- F240 Fire Test Report iBMB MPA & CSTB Report 26059195 for 8 to 32mm Ø
- Complies with Highways Agency Interim Advice Note 104/15.
- WRAS Approved for use with Potable drinking water* approval no. 1811526.
- LEED tested 2009 EQ c4.1 SCAQMD rule 1168 (2005.)
- VOC A+ Rating (Volatile Organic Content)



· PHYSICAL PROPERTIES

- Mixed Colour - Light Red or Grey
- Density - 1.42 kg/m²
- Compressive Strength - 120 N/mm² (EN 196 Part 1)

· TYPICAL TENSILE PERFORMANCE - STANDARD EMBEDMENT DEPTH

Concrete, C20/25, 5.8 Grade Studding						
Size	Recommended Load (kN)		Spacing ($S_{cr,N}$)	Drill Hole Ø	Fixing Hole Ø	Setting Depth
	Tension (N_{rec})	Shear (V_{rec})	(mm)	(mm)	(mm)	(mm)
M8	9.07	5.14	160	10	9	80
M10	14.36	8.57	200	12	12	90
M12	20.86	12.00	240	14	14	110
M16	38.86	22.29	320	18	18	125
M20	60.64	34.86	400	24	22	170
M24	87.43	50.29	480	28	26	210
M30	133.33	81.43	600	35	32	280

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PURE RESIN PE-585EX

Pure Epoxy RESIN

· WORKING AND HARDENING TIMES

Base Material Temperature	5°C	15°C	25°C	35°C	40°C
Gel Working Time	120'	60'	25'	16'	10'
Curing Time Dry Concrete	3000'	1200'	480'	240'	150'
Curing Time Wet Concrete	x 2	x 2	x 2	x 2	x 2

· APPROVALS

Chemfix Products Ltd
19
1343-CPR-M-0582-4
Chemfix 500
ETA-15/0130
ETAG 01-05 Option 1
M8 - M30 / rebar Ø 8 to 32mm
For use in cracked or non-cracked concrete
Seismic Class C2

Chemfix Products Ltd
19
1343-CPR-M-0582-3
Chemfix 500
ETA-13/0470
ETAG 01-01 TR 023
Post-Installed
Rebar Ø 8 to 25mm

Chemfix Products Ltd
19
1343-CPR-M-0582-1
Chemfix 500
ETA-14/0395
ETAG 01-05
Bonded anchor for diamond coring for use in uncracked concrete

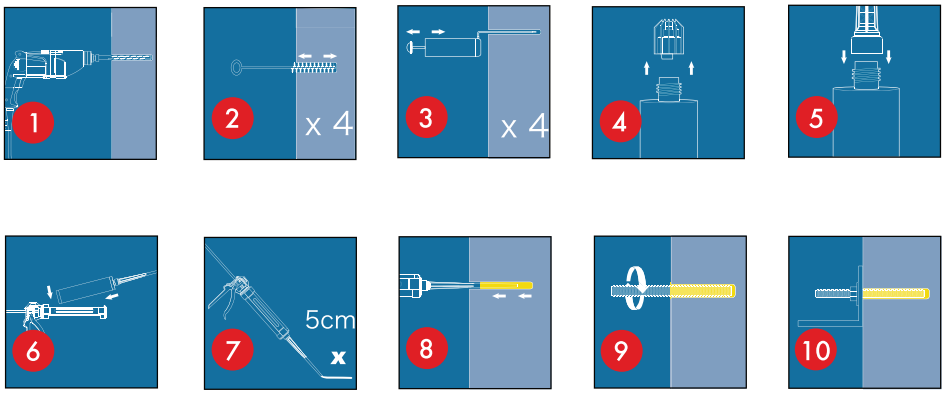
ICC ES

FIRE RATED

WRAS APPROVED MATERIAL
1811526

· INSTALLATION

Solid substrates



Not for use in hollow wall applications.

For further information please refer to the Technical Data Sheet

· STORAGE / SHELF

This product should be stored between +5°C & +25°C.
Avoid Direct Sunlight
The Shelf life of the product is 24 months from the manufacture date.

Manufactured by Chemfix Products Ltd in the UK

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Tax coxe: 0312234839 Website: www.unika.co.jp www.unikaaseantrading.com