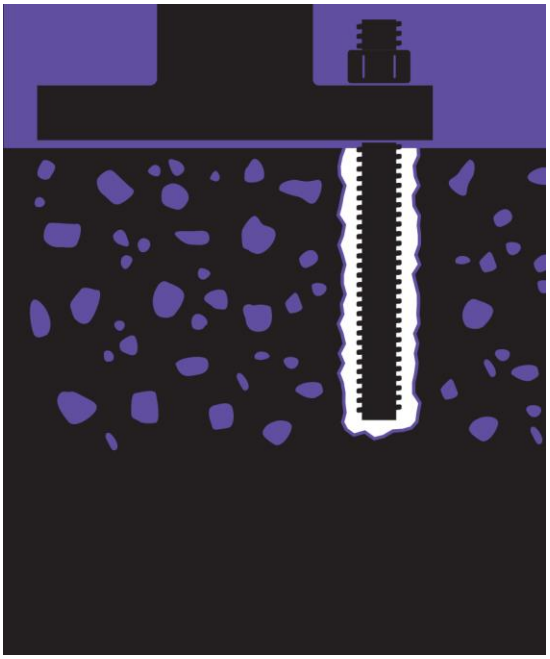
LARSEN

TECHNICAL DATA SHEET
Version: 01 Issued: Mar18

RAPID ANCHOR EA

ETAG-001 Pt1 -Pt5

Larsen Rapid Anchor EA is a styrene free, epoxy acrylate, rapid setting chemical anchor for solid and hollow substrates. Designed for heavy load carrying applications in solid stone or concrete and medium load applications in hollow bricks. Ideal for the anchoring of fixings, rebar, threaded collars etc, repair or bonding of concrete and chemical fixing of numerous wooden, metal or concrete applications.



ETAG001
STYRENE FREE
HIGH LOAD
NON SAG
FAST SET
SETS IN 10MIN
LOAD FROM 1HR
60MPa

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TECHNICAL INFORMATION

PRODUCT INFORMATION	
FORM	2 part paste
COLOUR	Light Grey (A: Beige B: Black)
HAZARD INFORMATION:	Epoxy Acrylate Resin - Consult Safety Datasheet before use
CLEANING:	Clean tools, equipment, etc. using suitable solvent. Mechanical means are necessary when the product has set.
PACKAGING:	300ml 2part cartridge
STORAGE INSTRUCTIONS:	Store unopened containers in a cool, dry, well ventilated location away from extremes of temperature and sources of ignition.
SHELF LIFE:	12 months in unopened manufacturer's containers

APPLICATION INFORMATION							
MIXED DENSITY	1.8 kg/L						
APPLICATION TEMP:	0 to +30°C						
SUBSTRATE TEMPERATURE	0°C	5°C	10°C	15°C	20°C	25°C	30°C
WORKING TIME:	45min	25min	15min	10min	8min	5min	4min
LOADING TIME:	3hr	2hr	1hr30min	1hr	45min	30min	20min

TYPICAL PERFORMANCE INFORMATION	
COMPRESSIVE STRENGTH	>60MPa
COMPRESSIVE MODULUS	7400 MPa

PERFORMANCE FOR RODS IN CONCRETE (safety factor for tension load is 3)

ANCHOR						RESISTANCE	ADMISSABLE LOADS	
	Drill Diameter	Embed depth	Edge distance	Anchor distance	Torque moment	Characteristic Resistance	Concrete C20/25	Concrete C20/25
Rod Class	d_0 /mm	h_{ef} /mm	C_{cr} /mm	S_{cr} /mm	T_{inst} / N.m	Tensile N_{rk} /kN	Tensile (kN)	Shear (kN)
M8	10	80	80	160	10	19.9	6.6	8.1
M10	12	90	90	180	20	34.8	11.6	12.9
M12	14	110	110	220	40	41.7	13.9	18.7
M16	18	125	125	250	80	67.5	22.5	34.9
M20	24	170	170	340	100	114.8	38.3	54.4

DIRECTIONS FOR USE

PREPARATION
All substrates must be of the required strength and this should be verified by pull-out testing if required. The anchor hole should be clean and thoroughly sound and free from oils, grease, dust, loose particles or any other contaminants which may interfere with adhesion. All fixings, rods, rebar etc should also be clean and thoroughly sound and free from oils, grease, dust, loose particles or any other contaminants which may interfere with adhesion.

APPLICATION
Ensure substrate is of sufficient strength and structural integrity for the fixing application. Drill out the hole as required depending on rod to be anchored. Remove water, dust and loose material by brushing out and/or blowing out hole. Ensure all materials to be bonded are clean, dry and free from grease, oil or any other impairment to bonding. When fixing into hollow substrates, a suitable sleeve should be used.

- Unscrew cartridge cap.
- Screw on mixing nozzle.
- Insert in cartridge gun.
- Reject first 10ml or so until uniform light grey colour is produced.
- Inject the Rapid Anchor EA into the hole until about 2/3 full.
- Insert fixing element with twisting action.
- Adjustment and loading time is dependent on substrate temperature as above.

QUALITY
This product is manufactured and tested to meet the requirements of ETAG 001- Part 1 and Part 5. (ETA 14/0140)

RESTRICTIONS
Speed of set and strength development will be affected by site and substrate temperature. Warm conditions will accelerate setting and cold conditions will slow setting. Protect freshly placed material from adverse weather conditions until sufficiently strong to resist damage. Designed for use with static and quasi-static loads only. All anchorages should be designed in accordance with EOTA Technical Report TR029 – Design of bonded anchors.

For further information consult our
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