



TSA 500SD PURE EPOXY

TSA 500SD Pure Epoxy Chemical Anchor Technical Data Sheet

Specification

Product Code	TSA-PE-500SD
Material	Pure epoxy resin styrene free
Size	400 ml
Mixing Ratio	3:1
Mixing Colour	Orange
Shelf Life	18 Months

Product Features

- High grip / adhesive force - High load capacity
- Extensive working time
- Suitable for application in wet substrates, diamond drill holes and large diameter holes
- Non-sag formula, suitable for overhead use, High Stability, non-shrinking
- Styrene free and low odour with VOC (Volatile Organic Compounds)
- Wide temperature range -5C to + 40c

Benefits

- Specially selected to suit TGSi installation
- Easy to use and mix with supplied mixer nozzle
- Wide range of applications
- Use indoor or outdoor
- Suitable for a wide range of climatic conditions
- No transport restrictions
- Suitable for a wide range of substrates – concrete, masonry, stone, wood etc

Working Time & Curing Time Table

Concrete Temperature °C	Working Time	Curing Time
5° > 9°	2 h	90 h
10° > 14°	90 min	64 h
15° > 19°	45 min	28 h
20° > 29°	30 min	18 h
30° > 39°	20 min	7 h
40	12 min	5 h

Haul Strength Table

Pressure			Destroy Haul Strength (Kgf/KN)		Safety Haul Strength (Kgf/KN)		Working Standard (mm)	
Concrete Strength			4,000 psi	280 kg/cm ²	4,000 psi	280 kg/cm ²	Hole Diameter	Hole Depth
Rebar No.	# 3	(ø10)	3,607	36.4	1,202	12.1	13	90
	# 4	(ø12)	6,409	64.7	2,136	21.6	16	125
	# 5	(ø16)	9,695	97.9	3,232	32.6	20	145
	# 6	(ø20)	13,655	137.9	4,552	46.0	25	170
	# 7	(ø22)	18,672	188.6	6,224	62.9	28	200
	# 8	(ø25)	24,032	242.7	8,011	80.9	32	225
	# 9	(ø28)	27,364	276.4	9,121	92.1	37	260
	# 10	(ø32)	31,730	320.5	10,577	106.8	40	290
	# 11	(ø36)	35,843	362.1	11,948	120.7	42	320
Remarks:			1. Concrete Strength fc': 280kg/cm ² (4,000 psi)					
			2. Rebar Strength: #3~#5 fy: 2,800 kgf/cm ² , #6~#11 fy= 4,200 kgf/cm ²					



Caulking gun sold separately

