

# JCP CONSTRUCTION PRODUCTS



## Rockite and Kwixset



**Rockite** and **Kwixset** are expanding, fast setting, hydraulic type products. When mixed with water they provide a compound which can be used for grouting, anchoring or patching.

**Kwixset** is suitable for external use and requires no further treatment.

### Product Range

<b>ROCKITE</b>	(Dry/Internal Use)	<b>KWIXSET</b>	(External Use)
Product Code	Pack Size	Product Code	
57 9002	1 x 2.27kg (5lb) Carton		
57 9003	1 x 4.54kg (10lb) Pail		
	1 x 11.35kg (25lb) Carton	57 9011	
57 9004	1 x 22.7kg (50lb) Carton		
57 9005	1 x 22.7kg (50lb) Pail	57 9012	
57 9020	1 x 0.45kg (1lb) Cartons		

### Installation Data

		<b>M10</b>	<b>M12</b>	<b>M16</b>	<b>M20</b>	<b>M24</b>	<b>M30</b>
Thread Diam	mm	10	12	16	20	24	30
Drill Hole Diam	mm	25	32	45	50	62	75
Min. Hole Depth	mm	75	100	125	150	200	300
Minimum Embedment Depth	mm	75	100	125	150	200	300
Recommended Tightening Torque	Nm	22	39	96	188	325	645
Recommended Tensile Load	kN	9.3	13.5	25.1	39.2	56.4	89.6
Minimum Spacing	mm	225	300	375	450	600	900
Minimum Edge Distance	mm	150	200	250	300	400	600

*Loads are for C20/25 concrete using a grade 4.6 bolt*

### Compressive Strength (N/mm<sup>2</sup>)

	1 Hour	24 Hours	7 Days
<b>ROCKITE and KWIXSET</b>	32	34	55

#### Cure Times

Rockite and Kwixset set in 20 to 30 minutes at 20°C and can be loaded after 1 hour

**Recommended Mix Ratio 50lbs of Rockite/Kwixset to 1.5 gals water**  
**Minimum installation temperature +5°C**

**Rockite** is a gypsum based product which just requires the addition of water to form a versatile compound suitable for patching concrete, leveling base plates and grouting in bolts and posts. Its expansion properties provide a crack free finish and secure anchorage. **Rockite** can be used indoors without the need for any further treatment.

**Kwixset** is a cement and gypsum based product and can be used indoors or outdoors and requires no further treatment or protection. However it must be finished flush with the surface so that standing water cannot accumulate on the **Kwixset**.

**A minimum distance of 100mm from the edge of the hole to the edge of the concrete must be maintained.**

### Typical Applications:

Holding Down Bolts for Machinery, Racking, and Safety Fences. Grouting in Fence Posts, Lighting Columns, Barriers. Forming Machinery Base plates. Repairing Cracks. Patching Walls and Floors

### SALES OFFICES

Dartford	01322 277733	Stone	01785 819819
Elland	01422 370121	Swindon	01793 527829
Milton Keynes	01908 330050		



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## Rockite & Kwixset

Data Sheet

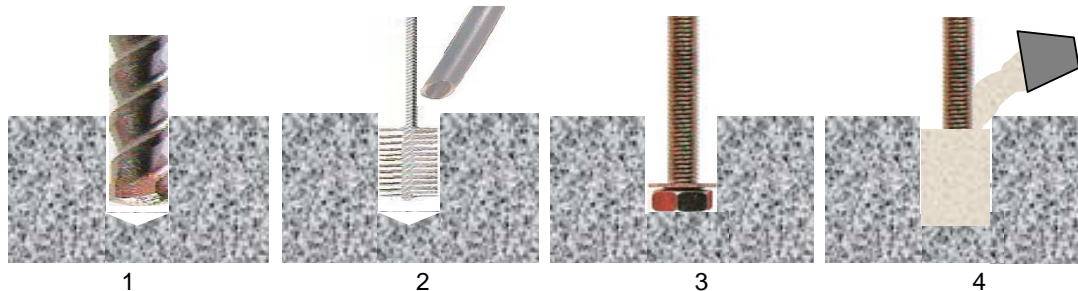
### Rockite & Kwixset

**Base Material :-** Concrete

**CAUTION :-**

Rockite & Kwixset have very strong expansion properties which generate the high tensile loads that can be achieved and as such their use in Brickwork, Blockwork and some Natural Stone is not recommended.

### Installation Instructions



- 1 Drill correct diameter hole to required depth.
- 2 Clean hole by brushing and blowing to remove drilling debris and dust. Dampen sides.
- 3 Insert bolt and washer into hole ensuring washer is free to fit against head of bolt.
- 4 Mix sufficient material to a pourable consistency and fill hole around bolt, allow to cure, position fixture, attach and tighten nut.

### Repairing and Patching

- 1 Clean out the area to be repaired removing all loose material and dust. Edges should be at least 12mm thick. Do not leave feather edges.
- 2 Dampen area but do not allow accumulation of water.
- 3 Mix up a small quantity of Rockite and scrub into surfaces to ensure bond.
- 4 Mix Rockite to pourable consistency for floors & plastic consistency for walls. Apply to area to be repaired.
- 5 After approx 10 minutes smooth with trowel & after 30 minutes sprinkle with water.
- 6 After 1 hour normal floor traffic may be resumed.

### Quantity Guide

Bolt/Post Diam	Hole Diam	Embedment Depth mm							
		Rockite/Kwixset Weight in kg.							
mm	mm	50	75	100	125	150	200	250	300
10	25	0.03	0.04	0.06	0.07	0.09	0.11	0.14	0.17
12	32	0.05	0.07	0.10	0.13	0.17	0.20	0.26	0.30
16	45	0.11	0.16	0.23	0.27	0.31	0.45	0.57	0.63
20	50	0.14	0.20	0.27	0.33	0.40	0.57	0.68	0.79
24	62	0.20	0.28	0.40	0.50	0.59	0.79	1.00	1.18
32	75	0.28	0.43	0.57	0.86	1.09	1.41	1.41	1.72
37	75	0.26	0.37	0.50	0.77	1.02	1.27	1.27	1.54
50	75	0.18	0.28	0.37	0.48	0.73	0.91	0.91	1.13
62	107	0.37	0.57	0.77	1.13	1.50	1.93	1.93	2.27
75	107	0.28	0.40	0.59	0.79	1.09	1.36	1.36	1.68