



SCB PLUG

FAST-SETTING MORTAR FOR SEALING WATER LEAKS

PRODUCT :

SCB plug consists of accurately weighed hydraulic cements, non-metallic aggregate and chemical admixtures. These materials are preblended and require only mixing with water before use. **SCB plug** contains no chlorides or other mineral admixtures which could promote corrosion of reinforcing steel or prestressing steel cables. **SCB plug** sets within 4 minutes at 22°C with little or no plastic shrinkage.

USE :

SCB plug can be used in interior and exterior applications both above and below grade.

Typical applications include :

1. Stopping running water or seepage at defects or joints in concrete manholes, sewer pipes, tanks, elevator pits, basement walls and concrete or masonry surfaces experiencing water penetration.
2. Sealing wall/floor joints in below grade concrete or masonry walls.
3. Anchoring handrail post or metal fixtures in concrete where high early strength is required.
4. Non-structural repair and anchoring underwater.
5. Temporary grouting of soil or rock anchor plates.

APPLICATION PROCEDURES :

1. Chip out cracks and honeycombed or deteriorated concrete to minimum depth of 20 mm. and width of 20 mm. Undercut or square cut edges do not use V-cut.
2. Remove all loose material from repair area.
3. Add **SCB plug** to clean water with continuous kneading to bring to a dry pack consistency (i.e. to a putty-like consistency). Prepare only as much material as can be placed within three minutes of the start of mixing.
4. In colder weather (below 5°C) store the dry material in a warm area before use and preheat the mixing water to approximately 20°C. If possible, preheat the repair area with a iiger torch or similar before applying **SCB plug**.
5. In warm weather (above 25°C) cool the mixing water with ice, if necessary, to give increased working time.
6. To stop active streams of running water, start at the top of the crack and farce **SCB plug** in firmly. Hold in position with a trowel or by hand until slight warmth is felt or the material starts to set. For high hydrostatec pressures, bleeder tubes may be necessary to direct and control leakage during **SCB plug** installations.
7. To anchor posts or metal fixtures in concrete, drill hole of sufficient depth to provide secure anchorage. Provide at least 10 mm. clearance on all sides of posts or fixtures. Remove all dust and loose material from hole and fill with **SCB plug**. Centre post fixture in hole. Tamp **SCB plug** around post or fixture to minimize voids. Hold post or fixture in position until final set (approximately 6 mins.) Keep moist for 30 minutes and do not apply load to post or fixture until the desired strength is attained.

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TYPICAL PROPERTIES :

APPROXIMATE WATER ADDED LITRES

| | |
|------------------------|--------------------------|
| 4.5 kg pail (9.9 lbs.) | 0.72 L (0.19 U.S. gals.) |
| 25.0 kg pail (55 lbs.) | 4.10 L (1.08 U.S. gals.) |

SETTING TIME, mins.

| | |
|---------|---|
| Initial | 4 |
| Final | 6 |

COMPRESSIVE STRENGTH, MPa

| | | |
|---------|----|------------|
| 30 mins | 13 | (1880 psi) |
| 60 mins | 15 | (2180 psi) |
| 7 days | 30 | (4350 psi) |
| 28 days | 35 | (5080 psi) |

APPROXIMATE YIELD

| | |
|--------------|-----------------------------------|
| 4.5 kg pail | 2.50 L (0.85 ft. ³) |
| 25.0 kg pail | 13.42 L (0.474 ft. ³) |

NOTE :

1. Mixing conducted at 23^o C
2. 50 x 50 mm. cubes standard moist cured at 23^o C before testing for compressive strength.
3. Mixing of entire pail at once is not recommended.