



# SCB FLOOR SCREED

## DRY PRE-MIXED MORTAR

### PRODUCT :

**SCB Floor screed** consists of specially modified Portland cement, aggregates and selected chemicals combined in closely controlled proportions for the repair of concrete. The rapid strength gain properties are maintained at temperatures as low as 3°C (37°F). The product contains no calcium chloride or other admixtures likely to accelerate the corrosion of reinforcing steel.

### USES :

**SCB Floor screed** is designed for use as a leveling repair material for concrete where rapid setting and strength gain of the repair are required. Typical applications include patching of bridge decks, roads, curbs, sidewalks and warehouse floors where the repaired area must be returned to normal service conditions within twenty four hours of placing repair mix.

### ADVANTAGES :

The unique properties of **SCB Floor screed** include :

1. Rapid set time.
2. Can be used for partial and full depth repair.
3. Can be placed using conventional equipment and techniques.
4. Superior abrasion resistance.
5. Exceptional Freeze / thaw durability.
6. Predictable set time over a wide range of temperatures.
7. Low volume change.
8. Superior bond strength.

### PROCEDURES :

1. Remove loose or unsound concrete and other deleterious materials by chipping, saw cutting, Scarifying, sand blasting or other mechanical means. A minimum repair thickness of 3 mm.,

with square cut edges, is preferable. Feather edging is not recommended.

2. Remove dust or loose material from the area.
3. Saturate the repair area with water, then allow the concrete to come to a surface dry condition just before placing the repair mix.
4. Add approximately 3/4 of the required water to the mixer 4 litres of water is usually sufficient at this stage for each 25 kg. bag of product. Where improved bonding properties are required, use a blend of 3 parts water to 1 part HITEK bonding agent as the mixing liquid. While mixing, add **SCB Floor screed** to the mixing liquid. Add more liquid as required to obtain the required consistency. Do not exceed 5 litres of liquid per 25 kg. bag. Water and mix temperature of the surface to which the mix is to be applied, should be not less than 30°C (88°F).
5. Mix until the material has been thoroughly blended and the required consistency has been obtained. A mixing time of 2 minutes is usually adequate.
6. Place the mixed material as rapidly as possible and consolidate well to ensure freedom from voids. Work the mix into the prepared concrete surface to ensure bonding over the full area.
7. If material in the mixer begins to thicken or set, discard the mix. Do not add more water.
8. Complete surface finishing operations as quickly as possible. Any conventional concrete finishing techniques may be used.

### CURING :

1. Moist curing of **SCB Floor screed** for 24 hours is necessary.
2. In hot, dry or windy weather conditions, apply a curing compound to the repaired area as soon as the repair material has set.
3. Protect from freezing for the first 24 hours and from temperatures below -3°C (27°F) for 72 hours.

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### YIELD :

When mixed with water to a leveling consistency, each 25 kg.bag of *SCB Floor screed* will yield approximately 15 litres of screed and cover approximately 3 sq.m. at repair thickness of 5 mm.

### RECOMMENDATION :

For proper application, please ask for more information from our technicians.

	3 Days	7 Days	28 Days
Compressive strength	230 ksc.	250 ksc.	340 ksc.
Bonding strength by Slant Shear test	8,800 kg.	13,800 kg.	15,000 kg.
Shear adhesion Strength (BS 5980 : 1980)	5 ksc.	8 ksc.	9 ksc.

DISTRIBUTOR IN THAILAND :



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