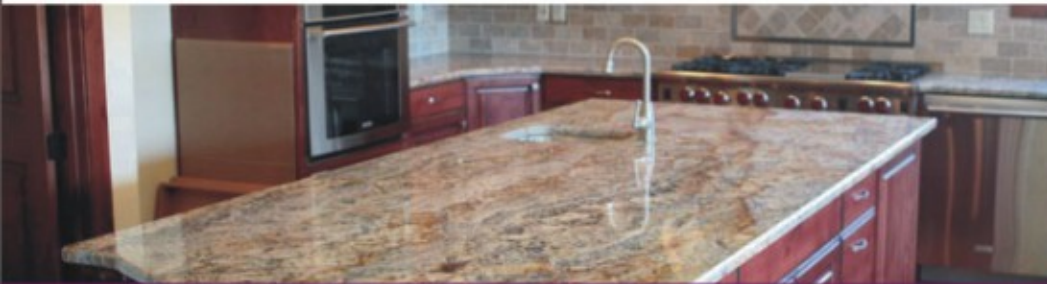


K SCREED MICRO



General Purpose Fibre Reinforced Shrinkage Compensating Cementitious Micro Concrete

Description :

K SCREED MICRO is supplied as a ready-to-use, blend of dry powders which requires only the site addition of water to produce a free flowing, non-shrink repair micro concrete. The materials is based on Portland cements, graded aggregates, fillers and additives which impart controlled expansion characteristics in the plastic state while minimising water demand. The low water requirement ensures high early strength and long-term durability, For larger repairs, the mixed K SCREED MICRO may be modified by the addition of 12 mm clean, graded, saturated, surface dry aggregates at site.

Benefits :

- Compensates for shrinkage in the plastic stage
- Can be pumped or poured into restricted locations
- Highly fluid to allow placement without vibration
- Prepacked factory controlled to overcome site-batched variations
- Rapid strength gain to facilitate early reinforcement
- High ultimate strength and low permeability of cured repair
- Does not contains any corrosive chemicals
- Ensure high tensile strength
- Specially reinforced with polypropylene fibre



Surface Preparation :

The unrestrained surface of the repair must be kept to a minimum. Defective concrete surface must be cut back to a sound base. Smooth surface should be mechanically roughed. Corroded reinforcement should be exposed around its full circumference and remove all loose scale and corrosion deposits. Apply one coat of SAFECORE R to the exposed reinforcement. If any discontinuity in the applied film is noticed, one more coat has to be applied. The concrete substrates should be saturated with water. Prior to immediate placing. Free water should be removed and prime the substrate using K BOND EP, a slow setting epoxy bonding aid. K BOND EP shall be applied on dry substrate.



Formwork :

Formwork should be leak-proof when subjected to hydraulic pressure imposed by the micro concrete will be fabricated and erected where necessary, provision will be made for air vents to prevent air entrapment, drainage outlets for presoaking. Formwork should be coated with SHUTRELEASE, mould releasing agent prior to fixing.

Mixing & Placing :

Care should be taken to ensure that K SCREED MICRO is thoroughly mixed. K SCREED MICRO mix in suitably sized drum with a torque (400-500 RPM) rotary drill fitted with a mixing paddle. Where the addition of graded aggregate has been specified it should be added after the water and K SCREED MICRO are properly mixed.

Placing :

The mixed material should be placed immediately. If placed by pump, standard concrete pumping should be followed.

Curing :

Curing should start within 2 hours and minimum curing time should same as that for concrete (7 days) as a cementitious material.
Low temperature: In cold conditions down to 15 °C, the use of warm water (up to 30 °C) is advisable to accelerate strength development.

Properties :

The following test results were obtained at different water/powder ratio. Expansion (unrestrained) 0.8% by volume Fresh wet density 2200 Kg/m³

Age in days	Compressive Strength Kg/cm ³	
	Water powder ratio 0.18 flowable	Water powder ratio 0.16 pourable
1 day	150	200
3 days	375	400
7 days	400	500
8 days	550	650

Packing :

25 Kg bag.

Shelf Life :

K SCREED MICRO has a shelf life of 6 months.

Health & Safety :

K SCREED MICRO is non-toxic but mildly alkaline. To protect skin, inhalation using gloves and dust masks. Incase of contact with skin or eyes, wash with clean water and seek for medical advice.

Technical Services :

While new advances and changes will take place one thing will never change is quality and meeting special needs of customer.. We are eager to work with you in development of new product and solve your problem.

NOTE :

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.

