

Construction Repair & Strengthening Products

CMB Shotcrete

Micro silica-enhanced - Ready to use for Dry-Process Shotcrete.

Description:

- **CMB shotcrete** is a one-component based on cement, graded aggregate and special additives.
- **CMB shotcrete** is a shrinkage-compensated, micro silica-enhanced.
- **CMB shotcrete** is ready to use after being mixed with water to form plastic concrete with high workability and early compressive strength.

Fields of Application:

- Dry-process shotcrete repairs of concrete and masonry.
- Suitable for repairs & maintenance works of potable water & sewage stations, Power stations, tunnels & bridges, residential buildings and factories..

Advantages:

- Ready to use requiring only the addition of water to produce concrete with high workability.
- Minimizes waste and economical.
- Trowels easily after gunning and strength development is very rapid.
- Permeability resistance, shrinkage-compensated.
- High resistance to frost, salts and protects against carbon-dioxide intrusion.
- High density and bond strength to different building surfaces.
- Suitable for vertical and overhead surfaces, interior or exterior.

Technical Data : (at 25 °c)

Dry density	2.2 ± 0.2 Kg/l
Pot life	60 minute
Dry period	4 - 5 hours
Mixing ratio with water	3.5 - 4 Liter/bag 50 kg (according to consistency)
Compressive strength	> 250 Kg/cm ²
Rate of use (theoretical)	22 - 24 Kg/m ² /10 mm thickness

Directions for Use:

- Concrete substrate must be sound, fully cured, free from dust, contaminated material, oil, grease, old paint and corrosion deposits. Use preparing methods that permits bonding between old and new concrete, in case of rusted steel reinforcement, rust must be removed and paint steel directly with Kemapoxy 131.
- Put the dry “ CMB shotcrete “ into the hopper of the shotcrete machine , required water is added Using operating nozzle . Pumping is done by a specialized technician to adjust the appropriate spray angle.
- The concrete shall be pumped on successive layers of 1 - 1.5 cm thickness until the desired thickness is reached.
- Concrete curing by water or chemical curing compound as “Curasol 1” .

Safety Precautions:

- Avoid contact with the product, in case of contact, rinse off thoroughly with water.
- Wear gloves, overalls and goggles during handling & application.
- Application should be carried out in well ventilated place.
- Wash hands with water & soap after use.

Storage:

- 6 months under suitable storage conditions and in closed containers.
- Store in dry place , temperature between 5 - 29°C

Packages:

- Bag 25kg , Bag 50kg.

