



BUILDROCK MCP

HIGH STRENGTH READY-TO-USE CONCRETE
FOR PILE CAP

TECHNICAL SPECIFICATIONS & DATA SHEET

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DESCRIPTION

A specially prepared ready-to-use grey powder which requires only addition of water at job site, to produce free flowing and semi fluid / plastic high strength concrete which has micro fine and coarse aggregates mixed beforehand to obtain massive 24 hour strength and have high impact resistance.

INDICATIVE CHARACTERISTICS

- Colour : Grey Powder
- Fresh wet density : 2250 kg / m³
- Volume Change : Nil
- Typical Compressive Str. – 24 hrs : 370-400 kg/cm²
- Typical flexural Str. : 60 kg/cm²
- Packing : 25 / 50 kg HDPE Bags
- Storage : Keep in a dry place
- Shelf Life : 6 months if kept unopened

AREAS OF APPLICATION

By keeping the w/p ratio between 0.14-0.18 dump the mortar in free flow condition. Avoid keeping the mix for more than 40 min. Mixing time required is hardly 1-2 min. Continuous and prolonged mixing is not recommended. After removal of shutter / form apply **BUILDROCK SBR/URP** – Curing Compound for complete curing. Pile material can be dumped on the **BUILDROCK MCP** - High Strength Ready-To-Use Concrete for Pile Cap after full curing for 1 day.

USES

Due to its high early strength and impact resistance it is exclusively used for pile cap over the years overseas. Can also be used as repair mortar for distressed structures as columns and beams by using proper bonding agent **BUILDROCK SBR/URP**.

SURFACE PREPERATION

Surface is to be cleaned and free from loose materials, oils or grease and chemicals. Dump the freshly prepared mortar only after surface is fully available for flow. Avoid any wooden structure or hindrance in its flow path.

FEATURES

- Volume stabilized and non-shrink micro concrete – high early strength. It provides strength of main structural member or in excess within 24 hours only.
- It does not produce any cracks along the line of old and build-up concrete section.
- Good bonding ability with old and new structure.
- Normal curing as it is done for any other concrete.
- Can also be used for pocket grouting from 10 – 100 mm pocket size.

STORAGE

If stored in unopen bag in dry condution at normal ambient temperature, a shelf life of 12 months can be expected.

SELF LIFE

Shelf Life of **BUILDROCK MCP** is about one year if the containers are kept unopened.

PACKAGING

BUILDROCK MCP Available 25 / 50 kg HDPE Bags

PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on BUILDROCK construction chemicals web site.

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