



UCLID TECHNOLOGY LTD.

(CONSTRUCTION CHEMICAL DIVISION)

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PRODUCT SUMMARY

www.uclidtechnology.com

UCOPATCH

CR-155

A High Strength Comentitious, Free flow, Repair concrete

Advantages

- * High early strength
- * Non - Shrink
- * Good flow properties
- * Excellent adhesion
- * Excellent Mechanical properties
- * Cohesive mix
- * Impermeable
- * Chloride free
- * Prepacked and factory controlled
- * High-tensile and flexural strength
- * Reduced co-efficient of creep

Product

UCOPATCH is a prepacked, High-strength, cementitious, non-shrink flowing micro concrete

Composition

UCOPATCH is a blend of selected portland cement, specially well-graded micro fine aggregates expansion agent and a range of fluidifiers.

Purpose

UCOPATCH is ideally suited as a repair concrete for Structures, Highway Works, Beams, Columns etc.

Yield

A 25 kg. of UCOPATCH when mixed with 4.5 litre of water, will yeild approximately 12 litre of repair concrete.

Packing

25 kg, 50 kg. bags.

Our Sole Distributor :

Innovative MARKETING

Shop No. 1, Avni Complex,
G.I.D.C., Estate, Pardi-396 125, Dist. Valsad, Gujarat.
Phone : (0260) 373551
E-mail : inn_marketing@yahoo.co.in

Our Dealer :

Description

UCOPATCH is a specially prepared. Prepacked, flowing micro concrete which requires addition of water only at site to produce free flow high strength shrinkage-compensating concrete. Which has micro fine-aggregates and ability to penetrate in joint to the recesses of concrete membrane and behind the reinforcement of the membrane under repair for larger repairs the mixed product may be modified by the addition of 12 mm down aggregates at site.

Properties

UCOPATCH having 3 beneficial properties

1. Free flow :
UCOPATCH when mixed with recommended W/P ratio, a cohesive fluid, mix is obtained which can be easily poured in congested reinforced concrete, under repair or where pouring is difficult.
2. High Strength :
UCOPATCH exhibits rapid strength development ultimate strength is more than 560 kg/cm²
3. Expansivity :
Positive expansion during setting leads to superior bonding to surrounding materials.

Where to use

- * All structure under repair
- * It may be used in any application requiring an Economical, High-strength, Free flowing repair concrete.

Technical Data

| | |
|-------------------------|---|
| Form | Powder |
| Colour | Grey |
| W/P ratio..... | 0.18 |
| Pourable Life..... | 20-25 mins at 27 ^o c |
| Initial Set..... | 4-6 hours at 27 ^o c |
| Final Set..... | 6-8 hours at 27 ^o c |
| Wet densing..... | 2200 kg/m ³ |
| Compressive Strength... | 200 kg/cm ² at 1 day 5690 kg/cm ² at 28 days |
| Free Expansion..... | 0.7% by Volume |

Method of use

1. Preparation :
The substrate should be sound, clean and free from contamination, weak portion of concrete should be cut back and roughened carefully prewetted. Formwork must be sound to eliminate leakage.
2. Application :
UCOPATCH should be mixed with correct amount of clean water preferably by mechanical means to get desired consistency and pour in the forms. The powder should never be poured in to still water. Care should be taken to see that the gaps in the shutter are effectively sealed with masking tape or cotton to ensure that the material doesn't run out of shutter joints
3. Curing :
All standard curing practices should be observed sacks, matting, plastic sheets or a curing compound may be used for curing purpose.

Storage

UCOPATCH has a shelf life of 12 months if unopened. Protect from moisture.

Important Note :-

All product should be used in accordance with manufactures instructions. Every effort is made to ensure that the information is reliable, we cannot accept responsibility for work carried out with our materials as we have no control over methods of application, site conditions etc.