



# ULTRA Rapid Plug

## Crystalline Cement

Admixtures

Surface Treatments

Protective Coatings

Concrete Repairs

Industrial Flooring

Grouts & Anchors,

Adhesives,

Water Proofing

Sealants

### DESCRIPTION

Ultra Rapid Plug is an ultra-fast setting hydraulic mortar, which offers immediate and long-term protection against water leakage. It hardens within seconds and increases slightly in volume while setting. Ultra Rapid Plug is available in both liquid and powder form.

### TYPICAL USES

Ultra Rapid Plug is ideally suited for:-

- Instantly stops flowing/ running water
- Runway joints as well as cracks repairing.
- Plugs holes, cracks, faults causing leakages and seepages.
- Seals to prevent seepages around inserts in masonry and concrete.

### APPLICATION AREA

- Concrete Walls and floors
- Concrete junction
- General masonry
- Inserts in masonry and concrete (eg.: pipes, sleeves and other metal fixtures)
- Architectural or structural concrete and masonry (eg.: mines, sewers, tanks, tunnels, reservoirs, pits, etc.)

### APPLICATION

#### Surface Preparation

Spot of area to be plugged must be free of dirt, cuttings, loose concrete or any foreign matter. Use wire brush or any suitable tool. If the crack or hole is less than 19mm in width and depth, chisel to this measurement with opening at surface to be narrower than the bottom for best results. If hole or crack is not leaking at time of repair, soak area before plugging with ULTRAPLUG.

### MIXING

Mix Powder ULTRAPLUG with clean tap water. Do not use saline water. Mix 3.5 parts of ULTRAPLUG with 1 part of water to form a plastic mass approximately the same shape as the hole or crack to be plugged. Hardening takes place 1 minute after addition of water; therefore it must be mixed and applied quickly.

If using liquid Ultra Rapid Plug then mix it with simple Portland cement or aluminum cement. Take 1-1.5 part of Ultra Rapid Plug liquid and mix it with 3.5-4 part of cement. The Plug water ration or cement plug ration can be changed according to the moisture/ leakage in structure.

### APPLICATION

Push and force a mass of Mixed ULTRAPLUG firmly with your palm, a trowel or a block of wood into the opening or hole and hold for 2-3 minutes. To seal wall floor joints, press ULTRAPLUG with a round tool and smoothen out. NOTE: ULTRAPLUG is hard and resistant to water pressure 2-3 minutes after application. ULTRAPLUG becomes hard and more resistant when subjected to constant water pressure. Shave surface with knife or trowel and keep damp for at least 15 minutes

### TECHNICAL SPECIFICATION

Compressive Strength	MPa
At 24 hours	14.3
At 7 days	21.3
At 28 days	31.0
Setting Time	Time
Initial Set	3-4 min
Final Set	9-10 min

### PACKING:

2 Kg & 10 Kg bags

Note: Our production facility at Lahore Pakistan is ISO 9001- 2008 certified for Moody International as per certificate 04-A-11 QMS 0019

### STORAGE & SELF LIFE

The pails and packets must be stored in a covered, dry and shaded area, away from direct sunlight, UV and other sources of heat and protected from extreme temperatures. The self life of the product is up to 12 months if stored as per the recommendations. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

### HEALTH & SAFETY

Avoid splashing into eyes or contact with skin. In case of such contact, flush eyes thoroughly with water and seek medical advice.

Wash hand thoroughly after handling and before smoking or eating. Do not take internally. Generates heat when mixed with water. Wear gloves when handling.

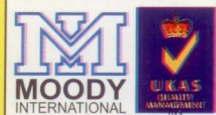
### WARRANTY:

The Ultra Chemicals LLC. ("Ultra") solely and expressly warrants that its products shall be free from defects in materials and workmanship for six (6) months from the date of purchase. Unless authorized in writing by an officer of Ultra, no other representations or statements made by Ultra or its representatives, in writing or orally, shall alter this warranty. ULTRA MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Ultra product fails to conform to this warranty, Ultra will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Ultra does not authorize anyone on its behalf to make any written or oral statements which in any way alter Ultra's installation information or instructions in its product literature or on its packaging labels. Any installation of Ultra products which fails to conform to such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Ultra's products for the Buyer's intended purposes.



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