

**FORMULATORS, MANUFACTURERS AND CONSULTANTS OF
SPECIAL CONCRETE PRODUCTS**

Newton's Farm Estate, Wissington, Nayland, Suffolk.CO6 4LX, England
Telephone: 01206 265116 Facsimile: 01206 265117

Email: info@rockbond.co.uk Website: www.rockbond.co.uk

ROCKBOND UNDERWATER ADMIX 2101 POWDER**UNDERWATER ADMIXTURE FOR MORTARS AND NON FLOW CONCRETES****DESCRIPTION:**

ROCKBOND UNDERWATER ADMIX 2101 (RB UWA2101) powder is a blend of admixtures which has been specially formulated to produce non flow underwater mortars and concrete. The powder contains a system of anti washout agents, stability aids and other ingredients to prevent wash out, slump and segregation under pressure. The powder is ready to use, supplied to order, packaged in moisture proof, durable bags and has a shelf life of five years.

SPECIAL PROPERTIES:

- * Can be packaged in water soluble bags for convenient handling.
- * Minimises "fog" or dispersion when poured and placed underwater.
- * Extremely stable, and will not breakdown, segregate or bleed.
- * Readily pumpable and stable under pressure.
- * Will not retard at higher dosages.
- * Contains no deleterious substances harmful to aquatic life.
- * High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

USES:

- + To produce non flow underwater mortars and concrete from site batched materials.
- + To produce cementitious materials that are washout resistant when brought into contact with water or running water.
- + To produce chemically resistant, durable underwater mortars and concretes.
- + For underwater concrete repair and protection.
- + To produce mortar and concretes for underwater void filling of seawalls, harbours, quays and jetties.
- + For use in the repair of water retaining structures, dams, pillars and piers.
- + To produce underwater cementitious materials involved with waterlogged foundations, anchorages, pilings, conduits, pipes and sewers.

MIXING INSTRUCTIONS:

ROCKBOND UNDERWATER ADMIX 2101 cementitious mortars and non flow concretes are mixed with water using a ROCKBOND CONCRETE STIRRER (RB CS), a pneumatic or electric power tool (1kW) and a ROCKBOND 25 LITRE MIXING CONTAINER (RB 25LMC). Use a ROCKBOND FORCED ACTION PAN MIXER (RB FAPM) to mix larger amounts of material.

ROCKBOND ADMIX 2101 powder is added to and dispersed in the mix water. The dosage rate is normally 1% by weight of cement contained in the mix: 1kg of the ROCKBOND ADMIX 2101 powder per 100kg of cement.

Start the mixer. Add the appropriate amount of the admixture to the mix water, and let the powder disperse. Add the remaining ingredients of the mortar or concrete, and mix until homogeneous.

ROCKBOND UNDERWATER ADMIX 2101 POWDER (RB UWA2101).

APPLICATION PROCEDURE:

Carry out and finalise any preparation necessary before mixing and applying the mortar or concrete. Ensure that all surfaces with which the mortar or concrete comes into contact with are clean and free of marine growth. The use of a water jet will produce a good and strong substrate on which to apply the material.

For the application of high strength grouts and flowing concretes, use ROCKBOND UNDERWATER ADMIX 2201 (RB UWA2201) for flowing cementitious materials.

For the application of mortars and non flow concretes that require an early strength, especially at low temperatures, use the ROCKBOND UNDERWATER ADMIX 2301 (RB UWA2301) for non flowing, accelerated cementitious materials.

For the application of high strength grouts and flowing concretes when a quick early strength is required, or when ambient temperatures are low, use ROCKBOND UNDERWATER ADMIX 2401 (RB UWA2401) for flowing, accelerated cementitious materials.

HEALTH, SAFETY AND STORAGE:

ROCKBOND UNDERWATER ADMIX 2101 powder is non toxic and safe to use. However, use the same precautions as with any cementitious product: wear goggles, protective clothing and a dust mask while mixing and applying the material. Consult the relevant MSDS for further details. Store in a cool, dry, dark place.

FURTHER INFORMATION:

Should you require further information on this product, or details of other ROCKBOND SPECIAL CONCRETE PRODUCTS, then please do contact our Technical Department:

Gilbert Cox BSc,
Technical Director,

Rockbond SCP Ltd.,
Newton's Farm Estate,
Wissington, Nayland,
Suffolk, CO6 4LX. England.

Telephone: 01206 265116
Facsimile: 01206 265117

Email: info@rockbond.co.uk
Website: www.rockbond.co.uk

IMPORTANT NOTE:

ROCKBOND SCP LTD provides the above information in good faith and without warranty. The data represents typical values which can be updated at any time, and this information supersedes previous issues. No liability can be accepted for any damage or loss arising from the use of ROCKBOND SCP LTD literature or its products, because the company has no continuous control on how the products are mixed, placed or cured.

MARCH 2015