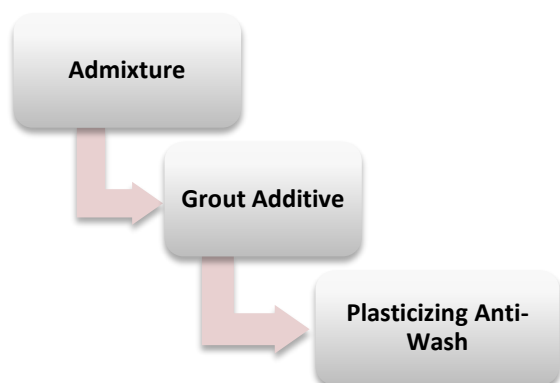


FAMILY TREE



PRODUCT DESCRIPTION

Apollo Add UW1 is an expansive, plasticizing and Anti -wash admixture for cementitious grout, formulated from selected polymers specially designed to produce more cohesive, flowable and shrinkage resistance grout for under water applications. It surrounds the cement particles by gel action to minimize the washout in the underwater of cementitious grout applications.

FIELD OF APPLICATION:

Apollo Add UW1 grout admixture that ideally designed produce Anti -wash grout for the following application such as:

- Under water micro concrete repair and grouting.
- Bridge column and jetty piers.
- General strengthening by jacketing.
- Repair and grouting of dams.

PROPERTIES

- No risk of cement washout when placed underwater.
- Excellent non-shrinkage characteristics.
- High early strength.
- Extremely dense and low permeability.
- High bond strength.
- Free flowing.
- Chloride free.

MIXING

Ratio	:	Apollo Add UW1 dosage is from (2.5 – 5) kg/50 kg of OPC. It has been aimed to make it high dosage by including cement powder to make sure of proper active materials distribution during site mixing.
Process	:	To ensure proper mixing, a mechanically powered mixer or drill fixed with suitable paddle should be used for quantities up to 50 kg. High shear vane mixer is required when mixing large quantities. The required water content should be accurately measured and added into the mixer or a mixing bucket. Add the full amount of Apollo Add UW1 powder at first and mix for 1 – 2 minutes.

PACKING

Standard Package	:	Apollo Add UW1 is available in 1 KG Bags.
Custom Package	:	Special packages can be arranged for large requirements.
How to Order	:	Specify the Product Name followed with a hyphen and package size.

STORAGE CONDITION

Shelf Life	:	12 months from the date of manufacturing.
Temperature	:	5°C and 35°C.
Points of Attention	:	Store in shaded area and properly sealed in its original packing.

TECHNICAL PROPERTIES

PROPERTY	STANDARD	VALUE
Standards	BS 5075	
Testing Conditions	Tests were carried out in Apollo R&D laboratory @ 25°C	
Component		Single component
Form		Powder
Colour		Grey
Bulk density		1.60 ± 0.1 g/cm ³
Expansion	ASTM C827/ C827M-2010	Up to 1%
Chloride content	BS5075	Nil
Air entrainment		Typically less than 2% additional air is entrained above control mix at normal dosages

ATTENTION

PPE	:	It is recommended to use full PPE while working with the product to avoid any possibility of irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.
Hazardous Classification	:	Non-Hazardous.
Fire	:	Non-flammable.

APOLLO AT THE GLANCE

Apollo is confident with the technical solutions and high quality end products served to the customers.

Apollo invites you to explore other services and products:

• R&D and manufacturing custom solutions	• Adhesives	• Bonding Agents Systems
• Building Finishing Systems	• Concrete Admixture	• Concrete Repair Systems
• Flooring Systems	• Grouts & Anchoring Systems	• Painting & Putty Systems
• Protective Coatings	• Sealant & Jointing Solutions	• Structural Strengthening Solutions
• Surface Treatment Solutions	• Tile Adhesive & Grouting Solutions	• Waterproofing Systems