

## VARAPLAST UW

### ADMIXTURE FOR UNDER WATER CONCRETE

#### DESCRIPTION

**VARAPLAST UW** is a blend of rheology control agents specially designed for use as underwater concreting admixture. Material is used in powder form.

#### ADVANTAGES

- ◆ **Anti Washout:** Concrete produced with **VARAPLAST UW** is cohesive and demonstrates exceptional anti-washout properties underwater.
- ◆ **Minimal Clouding:** Does not cloud the diver's vision in water.
- ◆ **No Segregation:** Concrete remains homogeneous and does not segregate or bleed when placed.
- ◆ **Excellent Bond:** Because of thixotropic nature of concrete with **VARAPLAST UW**, it adheres readily to brick, concrete or steel surfaces without surface primers or bond coats under water.

#### USES

Ports, harbors, quays and jetties, sea and driver defences. Repairs to precast units underwater, water retaining structures, dams, reservoirs spillways, columns, piles, concrete platforms.

#### TECHNICAL DATA

- ◆ **Form:** Powder.
- ◆ **Suitability:** All portland cements including SRC.
- ◆ **Storage:** Protect from moisture. Store under shade.

#### INSTRUCTIONS FOR USE

In order to obtain the best results, **VARAPLAST UW** must be used in specifically designed mixes for particular situations. **VARAPLAST UW** should be added along with cement and before addition of water for best results.

**Dosage :** 0.5 kg to 2.5kg per 100kg of cement.

Eg.: For a typical cement content of 350kg dosage of **VARAPLAST UW** can be between 1.175 to 8.75kg per cubic metre.

**Overdosing :** An overdose of 1.5 times the required amount will result in excessive retardation and final compressive strength of concrete will be affected.

#### TECHNICAL SUPPORT

'AKARSH' provided technical support service on mix design, admixture selection, evaluation of trials please contact technical Dept in these cases.

#### PACKAGING

**VARAPLAST UW** is supplied in 25kg bags.

#### STORAGE

Shelf life is 12 months when stored in original packing in dry conditions at moderate temperatures. Open bag must be immediately closed back to airtight conditions.

#### HEALTH AND SAFETY

**VARAPLAST UW** is non toxic but is mildly alkaline. Gloves should worn during application. Splashes to the skin or eyes should be removed with clean water. In the event of prolonged irritation, seek medical advice.

#### FIRE :

**VARAPLAST UW** is non-flammable but will burn with sooty flame in fire.