



CLASSIC CRETE HARD AXL

Set Accelerator for concrete & Mortar

Product:

Classic Crete Hard AXL implies hardening of concrete. The dual property of “**HARDENING & WATERPROOFING**” greatly enhance crushing strength as observed in 1 year old concrete which makes the product most suitable.

Classic Crete Hard AXL can use in mass concrete, cement renderings, floor toppings. Pits & basements can be proofed against a head of water with **Classic Crete Hard AXL**. Wearing courses to floor are hardened densified and made dustless and resistant to many form of chemical attack encountered in tanneries, garages and other industrial premises.

Classic Crete Hard AXL increases plasticity of concrete to provide workable mixes less than the normal amount of water. No deleterious effects are produced. On the contrary, greatly increased crushing strength is observed. Any desired acceleration of the setting time of cement can be obtained with **Classic Crete Hard AXL**

Uses & Features:

- Greatly increases Crushing Strength
- Accelerated Setting Time of Cement
- Increases the Plasticity of Concrete
- It's suitable for all type of cements.
- Cold weather concreting.

Application:

- Mass concrete-Mix 4 litres of **Classic Crete Hard AXL** diluted with 4 litres of water for 100Kg of cement together required coverage.
- Cement Renderings in Portland cement renderings **Classic Crete Hard AXL** is used in the proportion of 4 litres to 100 kg of cement. If the sand is dry, dilute **Classic Crete Hard AXL** with 5 litres of water. For thoroughly damp sand dilute **Classic Crete Hard AXL** with 4 litres of water.
- Interior Renderings- 1:2 mix of cement and clean gritty sand to a total thickness of not less than 19 mm (3/4”) for 3 coat work is strongly advised, for proofing pits or basements. The purpose of 3 – 2 coat work is to minimize the risk of shrinkage crazing.

Special Precautions:

- **Classic Crete Hard AXL** is not suitable for use in aluminous cement, blast furnace cement or sulphate-resisting Portland cement. Not recommended in constructions where iron bars/rods are used.

Mixing Ratio:

1) Mass Concrete (Classic Crete Hard AXL required in liter)				
Mix	1 Cubic Meter of Finished concrete		1 Cubic Meter of Finished concrete	
1:2:4	12		9	
1:1:5:3	16		11	
2) Renderings: 4L Classic Crete Hard AXL diluted with 4 parts of water suffices for:				
Renderings Mix Aggregate Size 20mm	Approx Sq. Meters		Yards Super	
1:2	7.25		9	
1:3:4	10.00		12	
3. Toppings Classic Crete Hard AXL diluted with 4 parts of water suffices for:				
Floor Mixed	Topping	Approx Meters	Sq. Yards Super	Thickness (in mm)
2:5		6.70	8	26
2:5		4.20	5	39
1:1:5:3		3.35	4	78

Pack Size and Storage: Available in 30L & 5L. Keep containers airtight during handling and storage to avoid loss of material. Store **Classic Crete Hard AXL** in a cool dry place and also protect it from extreme climatic conditions during storage, in trans it and at site.

Precautions:

- Undercoats must be thoroughly scratched to provide a good key for subsequent work. A proper key must be provided for the 1st coat by the usual means, viz., close hacking of concrete raking out of the joints of the brick work etc., plus through washing & slurring. Slurry is made with a 1 part of **Classic Crete Hard AXL** to 2 parts water mixed with cement to creamy consistency.
- Floor toppings-It consists of cement either with Granite: aggregate should consist of 10mm (3/8”) material graded down to fines. Sand: really coarse and gritty washed sand with both aggregates, a mix of 2:5 is advised. 4 liter of **Classic Crete Hard AXL** must be used with 100-Kg. of cement. This is roughly equivalent to gauging with a mixture of 1 part of **Classic Crete Hard AXL** to 4 parts of water.

Floor topping should not be laid too wet or trowelled under no circumstances, The following general direction should be followed

- Render the toppings smooth with a wood float and when the set commences, bring to smooth finish with a steel trowel. It is a bad practice to break the set of cement by wetting & trowelling after too long an interval.

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- At proper consistency no water should rise to the face, if this occurs, it must not be sprinkled with neat cement.
- Mature the topping wet, by keeping covered with wet sacks of sawdust, or by watering at intervals of 5 to 6 days.
- Where concrete is more than 3 days old, it is essential that the surface be close hacked or otherwise roughened. Thoroughly washed free of dust.
- Undiluted **Classic Crete Hard AXL** mixed with neat cement produces a hard set in 2 or 3 minutes where fast setting is required. Mortar mixed with **Classic Crete Hard AXL** diluted with equal amount of water sets in about 10 minutes and must be used within that time.
- Floor repairs – 1 part of **Classic Crete Hard AXL** with 2 parts of water normally provides sufficient acceleration, as in also the case when 4 litres of **Classic Crete Hard AXL** is used per 100 kg of cement of concrete mixed stiff. The given figures can only be rough approximation, as the hardening time of cement is dependent upon the prevailing temperatures, the make and freshness of the cement the amount of water used, the proportion of cement and the suction in the background. Thus **Classic Crete Hard AXL** in quantity sufficient to half the setting time of concrete during the summer may only suffice to maintain ordinary setting time during cold weather. I or trials are required under the actual conditions involved.



Safety Measures:

Store the container with the lid tightly closed in an upright position in a cool, dry place.

Keep out of reach of children and away from eatables. May be harmful if swallowed. In case of ingestion seek immediate medical attention. In case of skin contact immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.

Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not breathe vapour or spray. It is recommended to wear suitable nose pad during standing and surface preparation to avoid dust inhalation.

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