

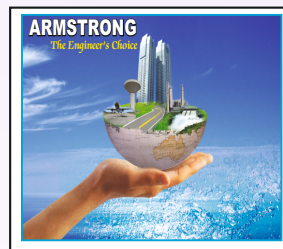
ARMSTRONG CHEMICALS PVT. LTD.,
Bengaluru
An ISO 9001 : 2008 Certified Company

RAPIDSTRONG QS 113[®]

(Set Accelerator for Concrete / Sprayed Concrete)
Complies with IS 9103-1999 & ASTM: C-494 Type C

DESCRIPTION OF THE PRODUCT :

RAPIDSTRONG QS 113 is a high performance set accelerator for concrete / sprayed concrete. It converts flowable, fluid concrete to cohesive, non sagging concrete with early setting time. The dosage RAPIDSTRONG QS 113 of can be varied to the desired consistency and setting times.



RAPIDSTRONG QS 113 are used in dry and wet mix shotcrete to facilitate the placing of thick linings particularly in over head applications and to promote early strength compatible to design performance requirements. It improves adhesiveness, cohesiveness, freezing / thawing and abrasion resistance characteristics, and reduce rebound.

ADVANTAGES :

RAPIDSTRONG QS 113 is ideally suited for wet mix where

- Flowable, sprayed concrete converts into cohesive, non sagging consistency.
- The quick setting property allows :
- Rapid work progress and the ability to construct thick sprayed concrete linings via layered application during one construction sequence.
- The unique product formulation provides extremely fast setting coupled with continual early-age strength development.
- Is a liquid product and thus provides easy handling as well as facilitating accurate addition to the concrete.

PROPERTIES :

Nature	Single component, liquid
Relative density at 25°C	1.250 + 0.02 gms / CC
Ph Value	Min. 6

APPLICATION AREAS :

RAPIDSTRONG QS 113 -- is suitable for all applications :

- Where exceptionally high early strength, good final strength and extremely thick layers are required.
- Temporary and permanent rock support in tunnels
- Rock support in mining.
- In poor ground conditions
- Soil stabilization.
- Also suitable for acceleration of cementitious grouts, such as used in TBM tunnel Linings, cement ground injection and foam concrete backfill operations.

DIRECTIONS TO USE :

RAPIDSTRONG QS 113 is used for wet mix spraying concrete. It should be added finally on prepared concrete mix to modify the properties of concrete. It should not come in contact with dry cement or other admixtures until they are mixed.

DOSAGE :

500ml to 2 Ltrs Per Bag of 50 Kgs Cement.

The measured quantity of RAPIDSTRONG QS 113 is directly mixed with water to be mixed or with wet concrete. However actual sites trials have to be carried out to determine the optimum dosage for the intended application.

COMPATIBILITY WITH OTHER ADMIXTURE : Compatible with all types of concrete admixtures but not with retarders.

CLEANING OF PUMPS : Prior to the use of RAPIDSTRONG QS 113, the dosing pump and other parts of the system must be thoroughly cleaned with plenty of water. Failure to do so provokes blockages in the dosing system. Make sure that all operators involve.

PACKING : 5, 20, 30 & 210 Kgs.

SHELF LIFE : 1 Year from the date of manufacturing

HEALTHY & SAFETY :

Non hazardous, low toxic. In case of accidental ingestion do not induce vomiting. Give milk or warm water and seek prompt medical attention. Spillages can be absorbed with sand or earth and disposed off.

STORAGE : Store in dry conditions out of sun.

Whilst **ARMSTRONG CHEMICALS PVT. LTD.** strives to ensure that any advice, information or recommendation given are appropriate and correct. It cannot accept any liability directly or indirectly arising out of the use of products since the method and place of application of the products are beyond its control.



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