



STRUCO – NO.1

Normal Setting Integral Waterproofing Compound For Concrete & Rendering

DESCRIPTION

STRUCO – NO.1 is a waterproofing compound used as an admixture, to be used with concrete and rendering. SWC have become synonymous as it is being used for more than seven decades in the Indian Construction Industry. STRUCO – NO.1 Conforms to: IS 2645-1975 and is available with ISI mark.

ADVANTAGES

- Ensure complete crystallization of cement particles.
- Ensure water tightness of concrete against water head.
- Eliminates / Reduces dampness from the plastered surface of the brick work.
- Protects concrete from weak solution of acids /chemicals.
- Prevents / Reduces sweating, efflorescence, Saltpetre action and fungal growth on the plaster surface of the brick.

USE/LOCATION

- ❖ In rendering/plastering work on all brick walls in residential and industrial structures.
- ❖ Both underground and overhead water tanks concreting/plastering
- ❖ Silos, Basement Structures, damp-proof course in residential building.
- ❖ For repair/maintenance work of existing damp-wall, Saltpeter of the brick work
- ❖ All Roof concerning of residential and industrial structures.

APPLICATION

A. *Rendering*

- STRUCO – NO.1 is diluted with clean fresh water in the proportion of 1:12-16 i.e. 1 part STRUCO – NO.1, 12 to 16 parts water.
- Stir Mix as mentioned above uniformly and thoroughly till all the STRUCO – NO.1 goes into the solution without any visible lump.
- Add the solution only into the dry mix of cement and sand.
- The quantity of the solution i.e. STRUCO – NO.1 and water is to be pre-determined as per the Cement: Sand Mix Proportion and the quantity of mortar to be made at one time.
- As a thumb rule Mix 1 to 1.5 kg STRUCO – NO.1 into 12 to 16 litres of water for one bag mix of mortar and balance 15 to 20 ltrs. Water added separately as per desired consistency.
- The quantity of water depends on consistency of the mortar desired. Quantity of STRUCO – NO.1 per bag of cement depends on the Mix proportion. As a guide add 1.5 kg/bag for 1:6 mix or leaner mix and 1kg/bag for 1:4 or richer mix.

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B. Concreting

- Make the solution as mentioned above.
- Add aggregates, sand and cement into the mixer thoroughly. Add gradually the solution to get the desired consistency / workability.
- Do not add any extra so that the W/C ratio does not change than that of specified.
- Add 1 kg STRUCO – NO.1 if cement content is 350 kg/m³ and above otherwise add 1.5 kg for concrete with cement content less than 350 kg/m³

PROPERTIES / TECHNICAL DATA

Form	:	Pastry consistency liquid
Colour	:	Yellow
Specific gravity	:	1.1 ± 0.05
Setting time	:	No change
Chloride	:	Almost Nil
Toxicity	:	Non-toxic
Strength	:	Increases
Shelf	:	1 year if unopened and stored properly
Packing	:	1kg, 5kg, 25kg, 225 kg drum

TECHNICAL SERVICE :

SWC group maintains a technical division with highly qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place.

SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee

NOTE : This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

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