



STRUCO NO.2

Super Fast Setting Compound For Cement

DESCRIPTION

A liquid formulation, which drastically accelerates the setting time of cement and enables cement to set in 30 to 40 seconds.

USES

STRUCO NO. 2 can be effectively used in rendering, where water is running over the structure and also for sealing large jets of water, without removing the pressure while working. Fresh Portland cement, conforming to IS specification for slow setting cement, gives the best result. Air set of old cement is naturally found to retard setting and some cements will be found to work better than other cements. Thus, it is always better to test the cement for compatibility with STRUCO NO. 2 before selecting the cement.

ADVANTAGES

- Helps to plug the oozing holes with remarkable convenience.
- Nozzles for injection grouting can be fixed easily.
- Provides immediate and temporary relief to severe leakages.
- Drastically accelerates the setting of cement.
- Improves the adhesive power of cement with substrates.
- Chloride free.

APPLICATION

After testing the compatibility of STRUCO NO.2 with the proposed cement to be used, the liquid should be directly mixed to the dry material (cement or cement-sand mixes, as the case may be). If this results too quick setting of the cement, STRUCO NO.2 may be diluted with about two parts of water and then mixed with the dry cement.

After thoroughly mixing STRUCO NO.2 with dry powder, the mortar should be applied immediately, as it will soon show signs of stiffening. Press the mortar with as much pressure as possible and hold it on the oozing hole, unless it sets and the leakage is sealed. The work should be so arranged that the mortar used in any one operation is not disturbed by subsequent over-lapping coats, which should not be admitted until and unless the previous coatings are hard. Care should be taken to ensure that the setting of newly laid rendering is not disturbed working or smoothening.

When the whole surface, with the exception of the jets has been rendered, it should be thoroughly examined to locate any defective soft spot or pocket, which should be carefully cut away and replaced. If the whole of the water is not stopped, a second coat should be applied. A little less STRUCO NO.4 can generally be used in this coat and more sand can be added to the cement.

When the general surface has been sealed, the rendering should be allowed to set quite hard, then pipes may be taken out and holes plugged up as given below. These holes from which the jets are running now, should be carefully enlarged with a hammer and chiseled to a depth of at least twice the diameter of the hole. The hole should taper slightly, the back being larger than the front. The sides of the holes should be rough in order to give as much key as possible.

If the course of the water through the concrete can be observed, the hole should follow the water-course as far as possible. Holes up to ½ inch (3.81 cm.) in diameter can be sealed as a rule, in one operation. Larger holes may require two or more operations.

Cont .. 2 ..

PHYSICAL PROPERTIES

Test temperature : 27 ± 2°C
 From : Liquid
 Setting time :
 [Cement used – L & T 53 Grade (OPC)]

PRODUCT NAME (diluted with water)	DOSE (diluted material)	SETTING TIME	
		Initial Set	Final Set
STRUCO NO.2 (1:2 diluted)	30%	1-2 minutes	30 – 45 minutes
STRUCO NO.4 (1:4 diluted)	30%	1-2 minutes	30 –45 minutes

STRUCO NO.4

STRUCO NO.4 is designed mainly for plastering or concreting in areas, which are over saturated with oil, petrol, oil-smoke and other similar contaminants, which cannot be possibly removed or cleaned. STRUCO NO.4 is totally alkali proof.

PRECAUTIONS

- Test compatibility of cement with STRUCO NO.2 or STRUCO NO. 4 before using.
- Mix small quantities of dry mortar or that amount of material which can be used in one operation with these quick setting compounds as otherwise, there could be wastage due to the fast stiffening.

While plugging holes which are severely oozing, the plug should be made of dry mortar and STRUCI NO.4, somewhat less in diameter than the hole to be stopped and this plug mortar should be slightly pointed at the end in order to ensure that its passage into the hole is smooth and sure. Care should be taken to thrust the STRUCO NO.2 or STRUCO NO.4 well into the hole and this should be held with pressure until the same sets.

STORATGE : One year if kept carefully in unopened condition.

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.

THE STRUCTURAL WATERPROOFING CO.PVT.LTD.

Regd. Office : 21/1 Dover Road Calcutta- 700 019 **Dial :** 2475-2684/5378/9950, **Fax :** 2475- 8240
 Calcutta : Plot 38/1, Block-GN, Sector IV &V, Salt Lake City, Calcutta- 700 091
Dial : 2357- 3546/3547 , **Fax:** 2357 3881
 Delhi Office : 406, Deepali, 92, Nehru Place, New Delhi - 110 019, **Dial:** 26445680 &
 26435432 **Fax:** 26416861
 Mumbai Office : 56, Mahavir Centre, Sector -17, Vashi , Navi Mumbai - 400 703,
Dial: 27892591 & 27893493 **Fax:** 27893571 **E-mail:** swcbom@bom5.vsnl.net.in
 Chennai Office : 81, 3rd Floor, A, Sulochana Terrace, 1st Main Road, Gandhi Nagar, Adayar,
 Chennai-600 020 **Dial.** 24423731 **Fax.**24422476
 Bangalore Office : 104, Victoria View, Borewel Road, White Field, Bangalore – 560 066.
Telefax : 080 – 3310112, **Email :** swcbangalore@yahoo.co.in

