

# CIKOSTop FS



## Hydraulic Cement Based Fast Setting Plugging Material

### Description

CIKOSTop FS is a cementitious fast setting plugging material to arrest running water in basements, water tanks etc. to immediately stop flow of water and to carry out permanent waterproof solution to leakage problems.

CIKOSTop FS is a blend of hydraulic cement, specially graded fine aggregates, adhesion promoters, accelerators and other specialty additives. CIKOSTop FS requires only addition of water at site and is easy to apply. Initial set takes place in 1 to 2 minutes once mixed with water.

### Properties

- Single component system.
- Easy to mix and use.
- Chloride free.
- Expands and blocks leakages through the periphery of the applied area.
- Fast setting even in presence of flowing water.
- Can be applied on horizontal, vertical and overhead surfaces.
- Not flammable, non-toxic

### Application area

CIKOSTop FS can be used for interior or exterior applications.

- For plugging running water through floors, walls and inserts such as pipes, sleeves etc.
- For plugging static cracks in water retaining structure such as tank walls and water barriers.
- Foundations, basements and pits.
- Tunnels and pipe lining systems.
- Sewage systems.

### Physical properties

Form	Powder
Colour	Cement grey
Initial set @ 25 <sup>0</sup> C	1 - 2 minutes
W/P ratio	0.25-0.3

### Coverage

Note: Coverage rate varies depending on water powder ratio used and substrate condition.

### Application instructions

#### Surface preparation

The surface that receives CIKOSTop FS shall be free from loosely adhered particles, efflorescence, dust, grease, oil or any other contamination. In case of oil spillage or presence of grease, proper treatment should be carried out to make the surface free of oil and grease. If the application is to be done over a cracked surface, chip the crack and widen it to a depth of 10 - 15mm. Running water holes or cracks must be cut opened to widen the area and shoulders shall be made to apply CIKOSTop FS.

#### Mixing

Mix 1 kg of CIKOSTop FS with approximately 250 – 300ml of water using spatula or gloved hand to a mortar consistency. Proper mixing should be done in minimum time because of the short pot life of material. It is recommended to mix small quantities of CIKOSTop FS at a time. The properly mixed material should be lump free and of uniform consistency. It is recommended to use water between temperatures of 20-25<sup>0</sup> C to achieve normal rate of setting and optimum results.

#### Application method

The mixed material should be immediately applied on the cleaned surface using trowel or gloved hand. Force and compact the mortar firmly into the opening by hand or trowel to bring maximum surface contact. Under running water conditions through hole or cracks, firmly hold dry powder against flow for few minutes to stop water leakage. If necessary, further apply CIKOSTop FS in powder form onto the surface.

#### Packaging

CIKOSTop FS is available in 10 kg moisture resistant bags.

### **Shelf life**

CIKOsstop FS has a shelf life of 6 months in un-opened bags and if stored in accordance with CIKO instructions.

### **Storage**

CIKOsstop FS should be stored under enclosed shaded area.

### **Precautions**

Not to use at ambient temperatures less than 5<sup>0</sup> C.

### **Health & safety**

Use standard dust mask to avoid inhalation of dust. Powder when wet or moist can cause burns to skin and eyes which should be protected during use. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

### **Technical Support**

For further technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

### **More from CIKO Middle East**

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- *Concrete admixtures and additives*
- *Waterproofing and damp proof coatings*
- *Surface treatments*
- *Flooring and toppings*
- *Grouts and anchors*
- *Tile adhesives and grout*
- *Concrete repair materials*
- *Adhesives and bonding agent*
- *Protective coating*
- *Joint Sealants and Moulding compounds*
- *Ancillaries*

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Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control



ص. ب رقم : ٢٩٥ ، الدوحة - قطر  
ت : (+974) 4411 4787 / 4411 4790 / 4411 4794  
ف : (+974) 44114792  
فاكس : +٩٧٤ ٤٤١١ ٤٧٩٢  
P.O.Box : 295, Doha, Qatar  
E-mail: enquiries@cikome.com