



Beton SHimi  
بتن شبمی زرین کوه



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## Mortar antifreeze (Beton Shimi)

### Mortar antifreeze BS770:

As the cold season arrives and the temperature drops, concreting becomes a big challenge. The freezing of water in the mortar can lead to the destruction and cracking of concrete. Mortar antifreeze is a solution to this problem, which prevents freezing of mortar and concrete at low temperatures by lowering the freezing point of water.

BS770 Mortar Antifreeze Technical Specifications	
physical state :	liquid
Color :	light green
packing :	20 kg gallon
Maintenance :	8 months after production in gallons in closed package away from moisture
Mixing ability:	has it
Chlorine ion:	does not have
The future of the environment:	does not have

### Advantages of using mortar antifreeze:

- Prevent freezing of mortar and concrete
- Increasing the efficiency of concreting
- Reduction of concrete setting time
- Protection of concrete against freezing

### Application of mortar antifreeze:

The most common application of concrete antifreeze is in cold weather. This additive increases the rate and heat of the hydration reaction. In sloping areas and shear walls, these materials are used for quick setting of concrete. Sprayed concrete or shotcrete needs a high setting speed. The correct use of this additive makes concreting very easy.

Some antifreezes are used to seal openings in tanks or pools. If this additive is added to concrete in a large amount, its setting speed is very high and it is suitable for other restoration works.