

ADMIX AF480

Chloride Free Concrete Antifreeze Agent

ADMIX AF480 is a liquid admixture used to protect concrete against freezing at below zero degrees. This product is chloride free and recommended to be used in reinforced concrete. Also provide good protection barrier for embedded steel. Although antifreeze admixture provides protection against freezing it is always recommended to consider following precautions:

- Using low water cement ratio concrete mixes
- Warming water and aggregates
- Surrounding job site
- Using rapid set cements
- Covering concrete surfaces immediately after application

Applications

ADMIX AF480 increases the temperature of concrete and accelerates hydration process which cause high early strength gain. This reaction can support the concrete from first freezing cycle in cold weather after placing. So, there be no danger of deterioration or low strength gaining of concrete.

Properties

Appearance	Liquid
Color	Amber
Density	Approx.1.26 g/cm ³ at 25°C
pH	10 -11
Chloride content	< 0.1% w/w

Applications notes

ADMIX AF480 is a ready to use product and can be added to concrete mix in any stage of production. But the best time is when 70% of water content is added or along with gassing water. Never add this product to dry cement.



White Damavand Corporation

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Dosages

Proper required dosage depends on environmental temperature at early placing hours. Table below is a guide for consumption rates based on temperature:

Air temperature (°C)	Consumption (% by weight of cement)
0	1
-2	2
-5	2.5
-10	3

Packaging

ADMIX AF480 is supplied in 25 kg containers and 250 kg drums. Bulk delivery is possible based on request.

Storage

This product must be stored in original containers at above +5 C° under cover, out of direct sunlight and protect from extremes of temperature. Shelf life is 12 months. For specific storage condition contact **White Damavand** Technical Services.

Safety awareness

ADMIX AF480 does not contain any hazardous substances. In case of any contact with eyes or skin, wash it immediately with clean water for 15 minutes and get medical helps. Use personal safety devices while using this product. For more information about safety, please read product material safety data sheet.

Quality approval

All materials produced in **White Damavand** are under strict control of QC department and meet the requirements of international standards.

Supplementary data

For additional information, please contact company's specialists.



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