

HP Retarder



Set Controlling Admixture

HP Retarder is a water-reducing, set-retarding, concrete admixture in a concentrated form. HP Retarder meets or exceeds ASTM C-494, Type D. The resulting performance includes increased compressive and flexural strengths, extended set times of two (2) hours or greater (depending upon the dosage added per sack of cement), reduced drying shrinkage and reduced water absorption.

ADVANTAGES:

Economical in cost when compared to other similar type chemical admixtures for the same performance.

- Being a concentrated liquid, HP RETARDER is easily stored and dispensed.
- No slump loss.
- Use with pumping or slipform applications.
- Reduces Crazeing

APPLICATION:

For best results, HP Retarder should be used at a rate of 2 to 3 liquid ounces per 100lbs of HP Cement. For HP Mortar or HP Concrete, start with 1/2 ounce per bag. This range will produce maximum water reducing qualities. If more retardation is desired, the dosage can be increased as shown in the following chart.

HP RETARDER Liquid* per 100lbs of HP Cement - to meet ASTM C-494, Type D

Below 65 f	2 fl. ozs.
65 f to 85 f	3 fl. ozs.
Above 85f	4 fl. ozs.

HP RETARDER (dry powder) per bag of HP Mortar or HP Concrete Mix - to meet ASTM C-494, Type D

Below 65 f	1/2 ozs.
65 f to 85f	1 ozs.
Above 85f	1.5 ozs.

CAUTION:

Always test HP RETARDER dosage rates with HP Cement or other HP Products prior to production to ensure proper set time is achieved. HP Retarder is not harmful to the skin, nor is it corrosive when in contact with metal surfaces. It should however, be rinsed off surfaces or it will develop a coating like finish. Eyes should be flushed with water if exposed to HP Retarder.