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...for mortar, grout & plaster

EASY-SPRED® USED AS A PUMP-AID

Pump-Aid: Easy-Spred® is an industry-recognized pump-aid admixture used to facilitate the spaying of cement based mixtures including stucco, grout, pool plaster, shotcrete and concrete. When hydrated, Easy-Spred® forms a gel that is a natural lubricant which improves flowability and prevents segregation of the mixture. In addition to reducing hose packs and wear and tear on equipment, contactors utilizing Easy-Spred® as a pump-aid can realize significant cost savings by optimizing the cement to aggregate ratio sprayed. Easy-Spred® also improves workability (spreading, cohesiveness, adhesion) and reduces drying shrinkage of the mixture. Easy-Spred® is packaged in 7-lb. bags and is compatible with other industry-recognized admixtures including pigments. The recommended dosage rate when using Easy-Spred® as an admixture is approximately 2% by cement weight. The following table contains dosage rates by cement type:

Cement Type	Bag weight	Easy-Spred® Dosage Rate
Portland cement	94 lbs.	1/8 – 1/2 bag of ES
Portland cement-lime blend	70-75 lbs.	1/8 – 1/4 bag of ES
Masonry or mortar cements	75-80 lbs.	1/8 – 1/4 bag of ES
Stucco cement	75-80 lbs.	1/8 – 1/3 bag of ES
Preblended mortar-plaster (sanded)	80 lbs.	4 to 8 fluid-oz. by volume of ES

1/8 of a bag of Easy-Spred® is equal to approximately 16 fluid oz. by volume, 1/4 of a bag is equal to approximately 32 fluid oz. and 1/3 of a bag is equal to approximately 42 fluid oz. Mixture should be field and-or laboratory tested to ensure performance criteria are met.

Mixing Instructions: The following mixing procedure should be adhered to in order to achieve optimal results:

1. Start mixer
2. Add most of mixing water (approximately 75% of total water to be used in batch)
3. Add Easy-Spred® while mixer is running (if possible, mix for approximately one (1) minute before step 4)
4. Add 1/4 – 1/3 of aggregate (i.e. sand)
5. Add cement, remaining aggregate and water
6. Mix until desired consistency is achieved

Pump Primer: Easy-Spred® is also utilized as a pump primer to lubricate hoses before mixtures are sprayed. When using Easy-Spred® as a pump primer, combine ½ of a 7-lb. bag (3.5 lbs.) of Easy-Spred® to 5 gallons of water and mix into a slurry. To create the slurry, we suggest either a) mix by hand or with a drill in a 5 gallon pail, or b) mix one 7-lb. bag with 10 gallons of water in mechanical mixer for 1-1/2 minutes. Once the slurry is prepared, it is placed in the hopper and run through the hose to slick the line. The slurry should always be discharged outside of the area where the subsequent mixture is to be placed.