

# HUNT PROCESS "HPS-R"

## "WATER-REDUCING, CEMENT-DISPERSING, SET-CONTROL ADMIXTURE FOR CONCRETE"

HPS-R is composed essentially of a highly refined, modified, lignosulfonate, rigidly controlled at each manufacturing step to insure uniform quality and performance. HPS-R complies with A.S.T.M. Specification C-494, Corps of Engineers Specification C-87 and A.A.S.H.T.O. Specification M-194.

### PROPERTIES IMPARTED TO PLASTIC CONCRETE

**Dispersion** - Reduces interparticle attraction of cement particles in mix water.

**Workability** - Increased workability at lower water cement ratio.

**Water Reduction** - Up to 20% reduction in mix water.

**Air Entrainment** - Enhances the performance of air-entraining additives.

**Reduces Bleeding** - Finishing time reduced. Surface laitance reduced.

**Reduces Segregation** - Insures proper distribution of placed mix components.

**Controlled Retardation** - Allows more flexibility in scheduling the placing and finishing of concrete. Extends vibration limit as needed, reduces possibility of cold joints. Controls internal temperature rise and maximum temperature due to heat of hydration.

### PROPERTIES IMPARTED TO HARDENED CONCRETE

**Higher compressive and flexural strength** at all ages.

**Increased bond to steel.**

**Increased durability.**

**Reduced drying shrinkage.**

**Denser, more impermeable concrete.**

HPS-R is furnished as a 40% solids solution. Recommended dosage for normal concreting operation is 5 to 8 fluid ounces of the solution/cwt. cement. The material should be dispensed into the mix water. HPS-R is compatible with sulfonate or vinsol type air-entraining agents and calcium chloride, but should be added separately to the mix water. For specific applications, contact us as we have experienced field engineers familiar with all types of concrete operations and who will be glad to discuss your problems with you.

MANUFACTURER

## HUNT PROCESS CORP.-SOUTHERN

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*"Spray it and Forget it" reg.*

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