
ATYS-CSA-1101

High Range Water-Reducing and Set-Retarding Concrete Admixture

Description	ATYS-CSA-1101 is a highly effective superplasticizer with a set-retarding effect for producing free-flowing concrete in hot climates. Also, a substantial water-reducing agent for promoting high early and ultimate strengths.
Uses	ATYS-CSA-1101 is used wherever high-quality concrete is demanded under difficult placing and climatic conditions.
Advantages	ATYS-CSA-1101 provides the following properties: <u>As a Superplasticizer:</u> <ul style="list-style-type: none">▪ Substantial improvement of the workability without increasing the water content▪ Improvement of the workability without increasing the risk of segregation▪ No adverse effect on ultimate strengths <u>As a Water Reducer:</u> <ul style="list-style-type: none">▪ Significant increase of early strengths▪ High ultimate strengths▪ Up to 20% water reduction▪ Especially suitable for hot climates▪ No excessive air-entrainment▪ No adverse shrinkage effect▪ Improved surface finishing▪ Increased water tightness
Technical Data	Type: Polymer type dispersion Density: 1.12 to 1.18 kg/l Storage: ATYS-CSA-1101 must be stored free from frost. Do not expose to direct sunlight. Shelf life: 18 months from date of production if stored properly in original unopened packing. Packaging: 210 kg drums
Application	Dosage: 0.8 - 3.0% by weight of cement. It is recommended to carry out trial mixes to establish required dosage rate. ATYS-CSA-1101 is compatible with all types of Portland Cement, including S.R.C. Dispensing: ATYS-CSA-1101 can be added to the freshly mixed concrete or directly to the gauging water prior to its addition to the aggregates. When added separately to the freshly mixed concrete, further mixing should take place for at least one minute per cubic meter. Important: When accidental overdosing occurs, the set retarding effect increases. During this period the concrete must be kept moist in order to avoid premature drying out.
Safety Instructions	Safety precautions: Accidental splashes to the skin must be washed off with water and soap. Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention without delay. Ecology: Do not dispose of into water or soil but according to local regulations.