

DESCRIPTION

ASC SET W is supplied as a yellowish liquid. When added to cementitious mixes it accelerates hydration and enables the water content to perform more efficiently by dispersing agglomerated cement particles. This further improves strength by enabling water reduction to be made at constant workability. Where there is embedded or prestressed steel, or where sulphate resistant cement is used or when steam curing is employed, ASC SET W should be replaced by SAYOSET NCL chloride free accelerating concrete admixture. ASC SET W ideal for providing increased resistance to frost damage during and after construction of hollow blocks. Ideal for block making. Use of ASC SET W reduces the damage in transportation of Blocks. ASC SET W is an accelerating admixture that enhances the early strength of concrete.

USES

ASC SET W is an effective and economical accelerating admixture for use in cold weather concreting applications. Cold temperature may slow down the hydration process and may damage the hardened concrete properties if not treated properly. The slower hydration process can be overcome by the use of this accelerating admixture. Because ASC SET W contains Calcium Chloride, it is not recommended for use in prestressed concrete, post-tensioned concrete, nor reinforced concrete structures. Concrete can be done in cold weather, Mass concreting under sea water and concrete hollow block manufacturing. Can be used for P.C.C. work, hollow blocks and concrete bricks.

ADVANTAGES

- Increase early strength gain allows earlier structural use and speeds completion time
- Saves time and money by allowing faster finishing and stripping of concrete form work
- Accelerates the hardening of floors and screeds
- Resistant to freezing in cold weather concreting
- Insulation and heating costs during curing time are reduced.
- Earlier stripping and reuse of forms increases labor productivity
- Accelerated strength gain

TYPICAL PROPERTIES & SPECIFICATIONS

Sr.No	Properties		Specification	
1	Specific gravity		1.290 ± 0.020	
2	Physical Appearance		Yellowish liquid	
3	Air entrainment		Less than 1%	
4	Compatibility		Compatible with ordinary and rapid hardening Portland cement but not high alumina or sulphate resisting cements	
5	Setting times		Typical results using ASC SET W are given below at 30°C	
	Trial Mix	W/C Ratio	IST	FST
	Control	0.55	4 hours	6 hours
	SAYOPLAST W	0.55	1 hrs. 45 mins.	3 hrs. 30 mins

INSTRUCTION FOR USE

Add the correct amount of ASC SET W at the concrete plant. The admixture may be added manually or by automated dispenser directly into the mixture or into the water at the batch plant.

DOSAGE

To accelerate set times dosage at the rate of 600 ml. to 1500 ml. / 50 kgs. of cement is recommended. The optimum dosage rate should be determined by site trials.

PACKAGING

ASC SET W is supplied in 1, 5, 10, 50, 100 and 200 litre drums.

STORAGE AND SHELF LIFE

ASC SET W has a shelf life of 12 months from date of manufacture when kept at a temperature between 5°C to 45°C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

QUALITY ASSURANCE

AMBICA SPECIALITY CHEMICALS is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2015.

HEALTH & SAFETY

ASC SET W is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.