



SS-CAS Expansive Admixture

Appearance:
Powder

SS-CAS Expansive Admixture is designed to compensate concrete shrinkage and improve volumetric stability. It is suitable for waterproof concrete and large-volume structures, helping reduce cracking risk and enhance structural integrity.

Compared with traditional waterproofing materials, it offers economical performance and simplifies construction, especially for complex structural areas where membrane waterproofing is difficult.

Benefits

- Reduces drying shrinkage and cracking risk
- Enhances resistance to water penetration
- Helps control deformation in large structures
- Improves durability and long-term stability

Specifications

Item	Type I
Fineness (1.18mm sieve, %)	≤ 0.5
Initial Setting Time (min)	≥ 45
Final Setting Time (min)	≤ 600
Restrained Expansion Rate 7d (water)	0.035
Restrained Expansion Rate 21d (air)	-0.015
Compressive Strength 7d (MPa)	22.5
Compressive Strength 28d (MPa)	42.5

Specifications

Item	Type II
Fineness (1.18mm sieve, %)	≤ 0.5
Initial Setting Time (min)	≥ 45
Final Setting Time (min)	≤ 600
Restrained Expansion Rate 7d (water)	0.050
Restrained Expansion Rate 21d (air)	-0.010
Compressive Strength 7d (MPa)	22.5
Compressive Strength 28d (MPa)	42.5

Dosage

As the dosage of SS-CAS1/CAS2 increases, the expansion rate of concrete increases. For preparing shrinkage-compensating concrete, the internal dosage is generally 6~8%/8~10% (for concrete used in reinforcement strips, post-casting strips, etc., the dosage is 10~12%). When the reinforcement ratio is 0.2~1.0%, the restrained expansion rate in 7d water is 0.025~0.04%, establishing a prestress value of 0.2~0.7MPa in the concrete.

SS-CAS can be used in combination with other admixtures, but concrete compatibility tests should be conducted first.

Or contact the technical support at info@yschempro.com.

Packaging

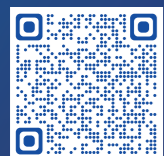
Net weight: 50kg/bag or according to customer requirements.

Storage and Shelf Life

Protect from water and moisture. Shelf life is 12 months under required storage conditions.

This product is non-toxic and non-flammable. Avoid direct skin contact. If contact occurs, rinse immediately with plenty of water.

Represented information is based on our current experience. In case of various factors affecting the result, information does not mean legal responsibility. For additional information, please contact us.



CONTACT US

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