

Expanding Agent EA-1000

Expanding Agent(EA-1000) is a general-purpose expanding agent to deliver excellent expansion effects and meet the needs for durability and early strength of cement hydrates by combining the bubble property of methyl expanding agents with ettringite crystals created during a hydration reaction involving C.S.A.(Calcium Sulfur Aluminate)-based cement materials.

Properties

- Appearance Mixed grey powder
- Specific gravity 2.58 (g/cm³)

Mixture and Standard Usage Amounts

- Mixture

Water(%)	Cement	ATEK-EA1000	Water(kg)	Reference
40~45	40kg(1sack)	0.4kg	15.2~17.2	C*1%

Packaging

- 20kg

How to Keep and Use

- Mixture - A prescribed amount of water(40~45%) is mixed with cement fully. Then Expanding agent is added to it and mixed with it fully for three minutes or longer before injection.
- Placement - Consecutive injection is desirable to prevent air from being mixed in during injection.
- After placement - It should be checked whether the amount of placed expanding agents will decrease or not.
- Its term of validity is maximum three months in a sealed state when kept at a dry place with no humidity.

Cautions

- The proper temperature for construction is 10°C~25°C. When the temperature is 9°C or lower, warm water is recommended. When the temperature is 26°C or higher, cold water is recommended. Attention should be paid to curing.
- The placed grout should be protected from vibrations, shocks, and direct sunlight until the development of certain strength.

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