

Sino-Sina Building Materials Co., Ltd

SW Super High Water Filling Material Technical Data Sheet

Product Overview

SW Super High Water Filling Material is a new type of super high water special material developed by New Special New Materials Company. It is a double-component inorganic material composed of Component A and Component B. The material has characteristics of low consumption, early strength fast hardening, and non-compressibility, suitable for underground empty lane filling, goaf filling mining, and fire prevention grouting.

Product Characteristics

- Composition Materials: All inorganic mineral powder, with non-self-igniting, non-toxic, non-corrosive, non-polluting characteristics, completely environmentally friendly.
- Single Material with Water Stirring: Has good flow characteristics, convenient construction.
- A, B Combination: Has certain compressive strength and anti-deformation ability, can adapt to and control surrounding rock deformation.
- Slurry Before Mixing: Does not solidify within 2 hours, and still has fluidity after stirring.
- Gel Time: Two slurries mixed, completed within 30 minutes (adjustable).

Applicable Scope

- Underground empty lane filling
- Goaf filling mining
- Fire prevention grouting material

Performance Indicators

Detection Project	SW-3	SW-4	SW-5	SW-6	SW-7	SW-8	SW-9	SW-10	SW-11
Water Gray Mass Ratio	3:1	4:1	5:1	6:1	7:1	8:1	9:1	10:1	11:1
Water Volume Occupancy /%	89.7	92.1	93.5	94.6	95.3	95.9	96.3	96.7	97.0
Compressive Strength (MPa) 4h	1.00	0.50	0.30	0.20	0.15	0.10	0.10	0.05	0.05
Compressive Strength (MPa) 1d	1.60	0.80	0.50	0.40	0.25	0.20	0.15	0.10	0.10
Compressive Strength (MPa) 3d	1.80	1.00	0.65	0.50	0.35	0.25	0.20	0.15	0.12
Compressive Strength (MPa) 7d	2.00	1.20	0.80	0.60	0.40	0.30	0.25	0.20	0.15

Construction Process

1. Component A and Component B are pre-added with water for activation, respectively prepared into slurry and transported to the storage slurry pool.
2. Component A and Component B are mixed in a 1:1 ratio, and sent underground through the double liquid matching and flow control system.
3. The mixed slurry is transported through the mixing device to the working face goaf filling bag.

Packaging Storage

* Packaging: Composite moisture-proof bag, net weight 25kg/bag, use as soon as possible after unpacking..

Contact Information

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