

## Aquafill ZT-106

### Plugging Quick-cured Cement

#### Description

ZT-106 "Plugging King" Plugging quick-setting cement is the absorption of foreign advanced technology and retains the advantages of similar products at home and abroad, developed efficient inorganic waterproof plugging material.



#### Product Feature

- One component gray powder;
- Non-toxic, harmless, non-polluting;
- With water plugging, instant sealing, can be used on front and back surfaces;
- The strength development speed and compressive strength is the leading domestic level;

#### Advantages

- This material is eco-friendly, non-toxic, harmless, non-pollution
- ZT-106 is possible to solidify and become hard-dry within 4-8 minutes
- Good waterproof performance, it is possible to construct at both positive side and negative side
- Good adhesive property and impermeability
- ZT-106 is possible to construct without water and ZT-106F is possible to construct with water

#### Main Application

- Quick-setting type is used for all kinds of underground buildings or structures, cable channel, pool, kitchen and toilet, air defense caves, subways, tunnels and other rapid plugging works.

#### Installation

- **Substrate Prepare**  
Substrate should be solid, smooth and clean without seeper, oil, and dust.
- **Cement Prepare**  
Proportioning of cement: water = 1: 0.3-0.35, we should mix cement and water into grout in plastic barrel. If temperature is lower than 10° C ,we should use warm water inside of cold one.
- **Construction**  
**For Leakage points** or crack should be chiseled in to V sharp and then we can put finished mixture in it then impact it and make it smooth

**For leakage pit**, we can put cement in it directly then we compact it and wipe it to smooth, after that we can cure it with water.

**For leakage crack**, we should divert water then start to plug the crack from high side to low side, in the meanwhile we can make small hole to reduce water pressure, after we finished plug up the crack, we can plug the hole

**For serious leakage**, we need to do divert water first then use plenty of cement to fix it.

- **Curing**

We should spill water or using wet fabric to cover substrate to curing plugging material for 2-3 days if weather is dry.

## Physical Properties

Implemented standard: **GB23440-2009**

No	Item		Index	
			National Standard	Product Result
1	Exterior		Uniformity color, no impurities, no caking of the powder	Qualified
2	Curing time	initial curing/min $\leq$	5	2
		final curing /mins $\leq$	10	4
3	Compressive strength /MPa	1h $\geq$	4.5	24.2
		3d $\geq$	15.0	42.2
4	Breaking strength/MPa	1h $\geq$	1.5	3.5
		3d $\geq$	4.0	8.8
5	Resistance osmotic pressure, Mpa,7d $\geq$	test-piece	1.5	1.5
6	Bonding strength/MPa,7d $\geq$	7d $\geq$	0.6	1.2
7	Heat resistance( 100°C 5h)		No cracking, peeling and spalling	Pass
8	Freeze-thaw cycle 20 times		No cracking, peeling and spalling	Pass

## Supply

2kgs/bag, 10bags/Carton

## Attention

Extremely cold or extremely hot weather may affect hard dry time, but it will not affect functional performance of plugging material; Do not use water higher than 37° C to adjust the plugging material; When weather is very cold, we should use 21° C water to react; When the surface is frozen or frosted, heat the surface with fire first, then we can start to construct

Each time mixed moderate material and used it up once within 5 minutes, do not prepare too much plugging material at one time to avoid wastage.

If the product has split into the eyes, wash immediately with plenty of water and go to hospital. We avoid skin to touch plugging material. If mixture split to your skin, wash it immediately with plenty of clean water.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.