

# KS-W201

## Door and Window caulking Anti-cracking Mortar



### Product Description

This product is formulated with high-grade cement as the inorganic cementitious material, refined sand as the aggregate, and multiple functional additives. This product can be used directly after mixing with water, offering easy application, high bond strength, and minimal shrinkage deformation. It is suitable for filling gaps between door/window frames and base walls, as well as for treating joints with a width not exceeding 2 cm.

### Points for Attention

- Application temperature: 5° C ~ 35° C.
- Mixing time not less than 3 minutes. Pot life: 2 hours.
- After application, a 24-hour curing period is required before subsequent work. In low-temperature conditions, extend the curing period to 48 hours or more.

### Product Features

- High bond strength, ensuring safety and reliability.
- Sag resistance, allowing thick-layer application without dripping for highly efficient construction.
- Low shrinkage rate, preventing cracking.

### Usage

Theoretical consumption: (0.22 – 0.25) kg/m · cm,  
Actual consumption: Subject to substrate conditions and environment.

### Supply

20kg/bag, grey

### Where To Use

- Suitable for sealing joints between window and door frames and walls;
- Suitable for filling gaps with a width not exceeding 2 cm.

- The product hardens at normal temperatures; indoor application typically does not require water curing. In high-temperature, dry environments, water curing is necessary to ensure strength development.
- This product contains alkaline components that may irritate the eyes and skin. Please wear necessary protective equipment during application. If the product splashes into the eyes, rinse immediately with plenty of clean water and seek medical attention promptly. Ensure ventilation or take necessary protective measures when applying in confined spaces.

## Construction Technology

### Substrate Preparation

- Ensure the bonding surface is dry, solid, and free from oil stains or loose material before application. It is recommended to treat the substrate with an interface agent or water spraying before construction.

### Mortar Mixing

- Slowly add the powder to water according to the mixing ratio (see package certification for details). Mix thoroughly for at least 3 minutes, let stand for 5 minutes, then stir again until uniform before use.

### Joint Filling Procedure

- When the surface to be treated is moist (no standing water), use a specialized caulking gun to tightly fill the joints with the mixed mortar, ensuring complete filling.
- Immediately level the surface with a trowel to form a solid finish. The joint width should not exceed 2 cm. For wider joints, adjust the mortar to a semi-dry state, fill manually, and validate with a test sample before large-scale application.
- Promptly remove excess material from the surface after joint filling to prevent hardening.
- Clean all mortar tools within 2 hours to avoid hardening and clogging.

## Storage And Transportation

- Transportation: Non-hazardous general cargo. Protect from rain, sun, freezing, and physical damage during transit..
- Storage: Maintain at 5°C–35°C in a dry, shaded area. Avoid humidity and weather exposure.
- Humidity Control: Implement moisture protection when relative humidity  $\geq 85\%$ .
- Shelf Life: 12 months from production date under standard conditions.

## Technical Data Based For Reference

Implemented Standard: Q/SDKS 126-2023

Item		M7.5	M10	M15
Water retention % $\geq$		88		
Viscosity mm $\geq$		70-90		
Surface density kg/m <sup>2</sup>		1400-2000		
Tensile bond strength	14d, strength $\geq$	0.2		
	7+7d, water resistance $\geq$	0.2		
Shrinkage % $\leq$		0.3		
Impermeable pressure MPa $\geq$		0.6		
Compressive strength MPa $\geq$		7.5	10	15
Fire rating		Class A requirement of GB8624		