



VASA® Waterproofing Base 010 Thick-layer Leveling Waterproofing Mortar Product Manual

DESCRIPTION

VASA Waterproofing Base 010 thick-layer leveling waterproofing mortar is a dry powdery product scientifically formulated with high-quality cement, refined sand, filler and other additives, which has good anti-seepage performance, and the thickness of a single construction can be up to 10mm, and it is a waterproofing and plastering two-in-one product.

WHERE TO USE

- waterproofing and seepage-proofing of internal and external walls of buildings
- concrete, masonry and other substrates
- dry or wet areas

FEATURES AND BENEFITS

- The building wall with life.
- Thickness up to 10mm in a single pass
- Easy to apply, just mix with water
- Waterproofing and plastering two-in-one.
- Highly adaptable to the leveling of the substrate

PRODUCT INFORMATION

The products complies with the requirements of technical indexes of DW M15 (P6, P8, P10) and DW M20 (P6, P8, P10) products in GB/T 25181-2019 Ready-mixed Mortar, and the specific technical indexes are as follows:

ITEM		Data
Retention Rate%		≥88
Condensation Time/h		3-12
2h Loss of Consistency/%		≤ 30
Flexibility (Transverse Deformation Capacity)/mm, ≥		1.0
14d Bond Strength/MPa		≥ 0.2
28d Shrinkage Rate/%		≤ 0.15
28d Compressive Strength/MPa	M15	≥15
	M20	≥20
28d Impermeability Pressure/MPa	P6	≥0.6
	P8	≥0.8
	P10	≥1.0

APPLICATION PROCEDURE

● Substrate Treatment

Thoroughly clean the substrate to remove dust and oil. Remove protruding and loose parts and repair damaged areas with quick-setting mortar. Wet the substrate thoroughly with clean water, but no standing water should remain. For smoother substrates such as concrete and cement slabs, brushing is required.

● **Preparation of Mortar**

The amount of water is shown in the package certificate of conformity. Add water into the mixing bucket first, then add the powder component, and mix quickly and evenly with a mechanical stirrer. The prepared mortar must be used within 2 hours, and no additional water should be added during use.

● **Application of Mortar**

- a. Single construction thickness is about 5mm ~ 10mm.
- b. The mortar after mixing is evenly divided into batch scraping construction according to the specific construction thickness design requirements, and the second construction is carried out after the first waterproofing mortar is hardened, and so on.
- c. After the completion of the last scraping glue, the curing time shall be not less than 7 days after it is hardened.
- d. The total thickness of the final mortar layer shall not be less than the design thickness.

TECNICAL INFOMATION

Product Technical Parameters	Packing Specification	40kg/bag
	Character	gray powder
	Executive Standard	GB/T 25181-2019 "Polymer Cement Waterproof Mortar"
	Shelf Life	6 months when stored unopened in a cool, dry place.
	Mixing Ratio	Liquid: Powder = 1:5 (weight ratio)
Construction Technical Parameters	Operable Time	2h
	Operable Environment	Temperature 5-35°C. Avoid construction in rainy, windy (above grade 5)
	Consumption	1.5kg/m ² /mm-2.0kg/m ² /mm

CAUTIONS

- Mixed slurry should be used up within 45min
- Do not add water to the mortar that has been solidified and mixed with water.
- Construction temperature of 5-35°C, high temperature, frost, windy (above grade 5) shall not start the construction
- Mixing appliances must be cleaned before and after use.

Transportation and Storage

- Avoid direct sunlight, rain, moisture and fall during transportation; It should be stored in a cool and dry warehouse with a storage temperature of 5-35°C, when the temperature is lower than 5°C, the liquid material should be well insulated.
- Under normal transportation and storage conditions, the product storage period is 12 months.

SAFETY INSTRUCTIONS

The product contains cement, which can be irritating to eyes and skin. Wear necessary protective gear during application. In case of accidental contact with eyes, rinse immediately with water and seek medical attention.

REMINDER

The stretch wrap and bottom wooden pallet provided at the factory will better protect the product from water, dust, and moisture, as well as protect the packaging. Please do not damage them before use! (Stretch wrap and



wooden pallets are not provided for small quantities).

WARNING

The technical information and recommendations presented in this report are founded on our utmost knowledge and expertise. However, it's important to recognize that all the aforementioned details serve as guidance and should be validated through extensive real-world application. As such, individuals intending to utilize the product must conduct thorough assessments of its compatibility with the specific intended use. It is paramount to emphasize that the user assumes sole accountability for any ramifications arising from the product's utilization.

LEGAL NOTICE

The information within this Technical Data Sheet ("TDS") can be transferred to another document relevant to the project. However, the resulting document must not supersede or substitute the requirements specified in the current TDS during the installation of VASA products. The latest version of the TDS is available for download from our website www.vasa.top.

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