



VASA TAS115 Specialty Adhesive for Sintered Stone Tile

Product Manual

DESCRIPTION

VASA TAS115 Specialty Adhesive for Sintered Stone Tile is a powdered, environmentally friendly, high-flexibility ceramic tile adhesive formulated with high-quality cement and inorganic bonding materials, refined sand as aggregate, and various multi-functional additives. It is particularly suitable for the installation of large-sized ceramic tiles and rock panels on substrates with significant deformations. It features excellent flexibility, high bonding strength, and convenient application.



WHERE TO USE

Interior Applications		Exterior Applications	
Suitable Substrate	Suitable Tile Size	Suitable Substrate	Suitable Tile Size
Stable substrates such as cement mortar and concrete	≤1600×3200mm	Stable substrates such as cement mortar and concrete	≤600×1200mm
Highly deformable substrates such as lightweight partition walls and lightweight steel frame structures with reinforcement	≤ 900×1800mm	Highly deformable substrates such as lightweight partition walls and lightweight steel frame structures with reinforcement	≤300×300mm

When installing ceramic large tiles (with a thickness ≤ 12mm) with a surface area larger than 1.62 m² and a long side exceeding 1500mm on indoor single panels, especially in specific scenarios like highly deformable elevator shafts or extra-large-sized large tiles, mechanical fastening brackets need to be used in conjunction with the adhesive during the installation process.

FEATURES AND BENEFITS

- Ultra-flexible performance
- Crack-resistant and earthquake-resistant
- Environmentally friendly

PRODUCT INFORMATION

The product complies with the standard requirements of C2ES1 in JC/T547-2017 classification. The main indicators are as follows:

No.	Test Item	Technical Specification
1	Tensile Adhesion Strength / MPa	≥1.0
2	Tensile Adhesion Strength after Immersion / MPa	≥1.0
3	Tensile Adhesion Strength after Heat Aging / MPa	≥1.0
4	Tensile Adhesion Strength after Freeze-Thaw Cycle / MPa	≥1.0

5	Tensile Adhesion Strength after Airing for ≥ 30 min / MPa	≥ 0.5
6	Lateral deformation/mm	≥ 2.5 , < 5

APPLICATION PROCEDURE

Substrate Treatment

The substrate should be solid, clean, free of oil, wax, concrete curing agents, and other loose materials; the flatness should be ≤ 3 mm/2m.

Adhesive Preparation

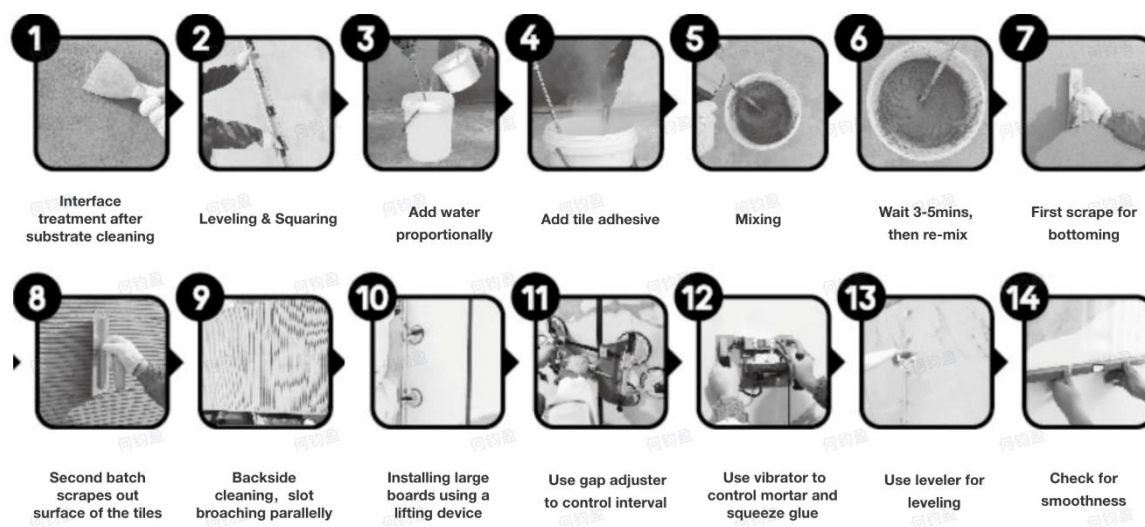
Refer to the certificate for the correct water addition amount.

Add the appropriate amount of water to the mixing bucket first, then gradually add the powder while stirring with an electric mixer until a uniform, lump-free paste is formed. Let it sit for 3-5 minutes, then stir again for 15-30 seconds before use. The mixed adhesive must be used within 2 hours.

Tile Paving

- Using a trowel, evenly spread a thin but strong layer of tile adhesive onto the substrate. Following that, apply a thicker coat of adhesive and then use an appropriately sized notched trowel to comb through the tile adhesive layer. Using a trowel, spread a thin but robust layer of tile adhesive onto the substrate's surface. Subsequently, apply a thicker layer of adhesive and utilize an appropriate notched trowel to comb through the tile adhesive layer. In adverse weather conditions (such as high temperatures, strong winds, etc.) or when the substrate exhibits high water absorption, tiles should be promptly installed. Before tiling, assess the tile adhesive's dryness by touching its surface with your finger. If the adhesive is still wet, tiles can be applied. However, if the adhesive is dry, reapplication is necessary. The depth of the notched trowel's teeth should be adjusted considering the levelness of the working surface and the variations in the tile back.
- For tiles with deep grooves on the back or sizes $\geq 300 \times 300$ mm, use the combined method: apply adhesive to both the substrate and the tile back before pressing the tile into place.
- In order to ensure the quality of construction, the construction personnel should open the pasted brick from time to time to confirm that the back and base of the brick are pasted full without cavity.

Application Guide



TECHNICAL INFORMATION

Product Technical Parameters	Packing Specification	25kg/bag
	Character	Gray powder
	Executive Standard	JC/T 547-2017 C2ES1
	Shelf life	12 months when stored unopened in a cool, dry place.
	Construction Consumption	Working temperature 5°C~35°C. Outdoor construction should be avoided in high temperature, frost, direct sunlight, or windy rainy weather.
	Reference Dosage	1.5kg/m ² /mm Actual consumption depends on the flatness of the base and the construction method

CAUTIONS

- Construction environment temperature should be 5-35°C; avoid construction in rain, high temperature, strong wind, or frost.
- No need to soak the tiles before installation, but clean the back of the tiles from release agents.
- Do not add other materials to the adhesive.
- Use the combined method with a 60-degree angle between the trowel and the substrate; keep a gap of no less than 2mm between tiles.
- After paving the tiles, filling work can only be carried out after the tile adhesive has completely cured.

TRANSPORTATION AND STORAGE

- Avoid rain and impact during transportation to prevent damage.
- Store in a cool, dry warehouse, protected from moisture and water.
- Under normal transport and storage conditions, the shelf life is 12 months.

SAFETY INSTRUCTIONS

This product contains cement and other alkaline materials that can harm the eyes and skin. Wear necessary protective gear during construction. In case of accidental contact with eyes, rinse immediately with water and seek medical attention. Keep out of reach of children.

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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