

TECHNICAL DATA SHEET

ABS A100

Ceramic Adhesive



DEFINITION

Cement-based tile adhesive mortar.

AREAS OF USE

"ABS A100" is used for laying small and medium-sized (maximum 33x33 cm) ceramic, tile, etc. cladding materials on horizontal and vertical cement-based surfaces in indoor areas such as bathrooms and kitchens.

PREPARATION AND APPLICATION

- The application surface must be solid, cured, smooth, dry, and free from dust, dirt, oil and other contaminants that may hinder adhesion.
- Highly absorbent surfaces should be moistened to remain damp or primed with a suitable product.
- Deep surface defects and holes must be repaired with repair mortars before applying "ABS A100".
- A 25 kg bag of ABS A100 should be added to 6.5 – 7.0 liters of clean water.
- Preferably mixed with a low-speed mixer or trowel for about 3–5 minutes until a homogeneous consistency is achieved.
- Let the mixed mortar rest for 10 minutes for maturation and remix before use.
- For good adhesion, the mixture should be pressed onto the surface with the flat edge of the trowel to form a thin contact layer, then combed with a notched trowel appropriate for the tile size.
- Tiles must be placed within 20 minutes on the combed surface, gently pressed, and tapped with a rubber mallet to ensure adhesion. In high temperature, low humidity, or windy conditions, timing may be shorter. Expired mortar should be scraped off and not reused in any way.
- The prepared mortar should be used within 2.5–3 hours.
- The mortar takes 2-3 days to dry completely.
- Grouting can begin 8 hours after application on walls and 24 hours on floors.

WARNINGS AND RECOMMENDATIONS

- Do not apply at temperatures below +5 °C or above +35 °C. Avoid application in very hot weather, under strong wind, or direct sunlight.
- Do not apply in conditions where there is a risk of frost within 24 hours.
- Do not add any foreign materials.
- Always follow the recommended mixing ratios and durations when preparing the mortar.
- Do not add used or partially set material to new mixes.
- Clean all tools with water before the material dries.
- Cement-based and irritant; wear gloves during use.
- Avoid inhaling dust and contact with skin and eyes.

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STORAGE

Shelf life is 1 year from the production date if closed bags are stored in dry, moisture free interiors off the floor/on pallet.

TECHNICAL PROPERTIES

Water Ratio		6,5 - 7,0
Working Time		2,5 – 3,0 hours
Grouting Time	Walls Floors	8 hours 24 hours
Ready for Use		2-3 days
Appearance		Grey powder
Open Time	TS EN 1346	Minimum 20 minutes $\geq 0,5 \text{ N/mm}^2$
Tensile Adhesion Strength	Initial After Water Immersion After Heat Aging After Freeze-Thaw Cycles	TS EN 134 $\geq 0,5 \text{ N/mm}^2$ $\geq 0,5 \text{ N/mm}^2$ $\geq 0,5 \text{ N/mm}^2$ $\geq 0,5 \text{ N/mm}^2$
Working Temperature		+5 / +35 °C
Service Temperature		-15 / +70 °C
Consumption		Approx. 4–5 kg/m ²
Product Class		C1
Fire Class		A1
Complies with		TS EN 12004-1 April 2017 Class C1
Open Time Standard		TS EN 1346

SAFETY INFORMATION

Read the instructions before use.

Use protective gloves, eye, and face protection.

In case of skin contact, rinse with plenty of water.

In case of eye contact, rinse cautiously with water for several minutes.

If skin irritation or rash occurs, seek medical advice/intervention.