PRODUCT SHEET

KHOLAO®

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SAINT-ASTIER®
HYDRAULIC LIME TILE ADHESIVE

THE + BENEFITS

- FORMULATED WITH NATURAL HYDRAULIC LIME
- EXTENDED WORKABILITY
- DESIGNED FOR OLD BUILDINGS AND ECO-CONSTRUCTION / NEW BUILDS
- EASY TO APPLY

25 KG | NF EN 12004-1

AREA OF APPLICATION

Saint-Astier® natural hydraulic lime-based tile adhesive for flagstones, slabs and terracotta tiles on interior floors in old and new buildings and in eco-build projects.

PACKAGING

> 25 kg bag
> 40 bags per pallet (1T pallet)

PRODUCT COMPOSITION

Dry ready-mix mortar made with Saint-Astier® hydraulic lime, mineral fillers and specific additives.

SHELF LIFE & GUARANTEE

One year from production date if protected in the original packaging and stored in dry conditions.
Manufacturer civil Responsibility.

C2E RATED

EMISSIONS DANS L'AIR INTÉRIEUR A+

by SAINT-ASTIER
LIME, LIFELONG EXCELLENCE

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CONSUMPTION IN KG/M² AND TYPE OF NOTCHED TROWEL TO BE USED

Tile format (cm)	Terracotta		Natural stones (p>2) Cement tiles		Natural stone (p<2)	
	Consumption (Kg/m²)	Notch size	Consumption (Kg/m²)	Notch size	Consumption (Kg/m²)	Notch size
10*20 cm	3,5	U6	3,5	U6	3,5	U6
15*15 cm						
10*30 cm						
20*20 cm	4,5	U9	4,5	U9	4,5	U9
20*40 cm					6	
30*30 cm						
40*40 cm			7	U9 or Ø20	7	U9 or Ø20
40*60 cm			8	Ø20	8	Ø20

Single buttering

Double buttering

Combs : > *U6 : 6 mm Notch size*
> *U9 : 9 mm Notch size*
> *Ø20 : 20x10 mm semi-circular Notch size*

SUITABLE FOR

> Lime concrete flooring
> Lime screed
> KHOLAO® screed
> Lightweight concrete (pozzolan, expanded slate, clay balls...)
> Other substrates : please ask the Saint-Astier® technical department

PREPARATORY WORKS

> **Substrate preparation :** Before starting work, make sure that the substrate is compact/no loose friable parts. Then clean all the substrates and remove all dust to obtain a clean surface. Dampen with a light water mist before applying KHOLAO® tile adhesive.

CONSUMPTION

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1 (25 kg bag) = **3 to 5 m²**

DOSAGES

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1 (25 kg bag) + (5.5 to 6.5 liters of clean water)

> Mix with a whisk mixer until smooth and lump-free (2 to 3 minutes).

APPLICATION

> For terracotta tiles only : Soak terracotta tiles in water at least 24 hours in advance to regulate their natural porosity.
> Spread the adhesive on the substrate with a trowel and even out the product with a notched trowel.
> Double buttering the reverse side as well (depending on tile size and type).
> To ensure complete spread of the adhesive on the tile, beat the slab/tile with a mallet.
> Remember to sponge clean as you apply to facilitate the final cleaning, then leave to dry for 24 hours, until it has set sufficiently to allow passage without loosening the tiles.

FINAL POINTING :

After drying for approximately 24 hours, you can use our KHOLAO® Joint solution to make your own joints (refer to the dedicated data sheet).

WORKING TEMPERATURE

Between 5°C and 30°C.

FEATURES

> Product appearance : powder
> Grain size : 0 - 0.6 mm
> Bulk density : 1250 g/L

PRODUCT PERFORMANCE

> Working time (pot life) : approx. 30 min
> Set time : 2 h
> Initial Tensile adhesion strength at 28 days : ≥ 1 MPa
> Tensile adhesion strength after water immersion : ≥ 1 MPa
> Tensile adhesion strength freeze-thaw cycles : ≥ 1 MPa
> Tensile adhesion strength after heat ageing : ≥ 1 MPa
> Walk on and grouting : after 24 h

by SAINT-ASTIER LIME, LIFELONG EXCELLENCE

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