ARGILUS™ TECHNICAL SHEET

PLAK'ARGILUS

THE ARGILUS™ PRODUCT MANUFACTURING SITE IS LOCATED 300 M FROM THE CLAY PITS. OUR CLAYS ARE 100% ECOLOGICAL, RECYCLABLE AND REUSABLE.

PRODUCT RANGE

Solid, large format 22 mm clay wall panel, dry, made from clay and natural fibres

APPLICATION

- As partition sheets for interior renovations
- As solid support for clay plasters
- For covering interior walls
- For suspended ceilings or extensions

COMPOSITION

Statement: clay and natural fibres (coconut)

QUALITY

Constant monitoring at the factory and production quality control.
Strict checks on all incoming raw materials.

PRODUCT CHARACTERISTICS

- Large format dry clay wall panel
- Breathable panel, conduction through capillarity, room climate regulation properties
- Highly accurate industrial production
- Clay sheet perfect for clay plaster
- Can be used on wood frames (or any other traditional screwed frames)
- Its fast installation significantly reduces the volume of water used in building construction
- Can be handled with bare hands for self-builders

TECHNICAL CHARACTERISTICS

Dimension in mm	**1,000 x 625 x 22** Tolerance of 2 mm on dimensions. Custom dimensions available on request
Approx. 20 kg/sheet, 1.6 sheets per m², 32 kg/m²	
DENSITY ρ AT CONSTANT HUMIDITY	1.440 kg/m³
THERMAL CONDUCTIVITY λ	0.44 W/(mK)
COMPRESSIVE STRENGTH	3.3 N/mm²
NUMBER OF SHEETS PER M²	1.6 units per m² of wall at 1.2 w/mC°
PACKING	40 sheets per palette = 35 m² per Euro palette
PALETTE WEIGHT	800 kg
ACCESSORIES - HARDWARE	8 screws per sheet, Argilus clay mortar 1.8 kg/m²
FIRE CLASSIFICATION	A1

plak'argilus

- STRONG HYGROTHERMAL PROPERTY
- HIGH CAPILLARITY FOR HIGH ABSORPTION CAPACITY
- OPTIMAL CLIMATE REGULATION FOR THE ROOM
- POLLUTANTS: NONE IN THE PRODUCTION OR TRANSFORMATION
- RECYCLABILITY INFINITE
- BIODEGRADABLE 100% RECYCLABLE AND COMPOSTABLE
- UNLIMITED LIFE SPAN

CONDITIONS OF USE

PREPARATION

The clay sheet must be directly protected from rain. All the usual requirements for humidity protection must be followed. For the construction of drywall, we use a traditional frame (metal, wood etc.) The space between the risers must not exceed 33 cm. Gluing onto a solid support is also possible. Never lift by the long side only (risk of breaking). NB: the user must face the smooth side.

APPLICATION

The sheets can be cut using a box cutter. They must be planed and broken on a sharp edge. Then the fibres must be cut again. Scraps are not waste and can be reused as construction material after moistening. The sheets can also be stuck to each other using a joint offset by at least 10 cm with Argilus clay mortar.

A – FIXING ON SOLID SUPPORT

The support must be solid, clean, and dust and grease-free to ensure sticking of the sheets with Argilus glue. The differences in level of the sheets can be compensated for by the clay glue used (notched trowel with 10 mm notches). Supports must first be covered with an Argilus adherence undercoat.

B – FIXING ON FRAMES

The sheets must be positioned onto a metal or wood frame. Gaps must be left so the so the sheets can be screwed on. Ensure that acoustic insulation requirements are met. Use commercially available non-corrosive partition screws of 3.9 x 45 mm, at least 8 screws per sheet. Keep at least 3 cm of space between the edges of the sheet and the screws.

SURFACE TREATMENT

The assembled clay sheets must be covered with Argilus Natural One Coat Plaster (1 cm maximum) with a 10 mm mesh glass fabric (to be smoothed into the render and over the whole surface).
Then, once the One Coat Plaster is completely dry (3-5 days), the labourer will use an Argilus finish coat (5 mm maximum) to achieve a high-quality finish.

VALIDITY OF THE TECHNICAL SHEET

All the information contained in this document is based on our current knowledge and the lessons learned through experience. A guarantee for the universal validity of the information and individual recommendations is given subject to treatment conditions. The general rules of clay building engineering must be complied with. The manufacturer reserves the right to update these technical sheets according to product upgrades due to technical progress or its application. Do not use below a wall or air temperature of 5°C to avoid the risk of freezing.

SAFETY NOTICE

There are no dangerous additives contained in the Plak'Argilus product, which is why there are no safely instructions to be followed. However, be careful of dust, which could get in the eyes. In this case, rinse with clean water.

ARGILUS
ENDUITS TERRE & MATÉRIAUX ÉCOLOGIQUES

WWW.ARGILUS.FR

Argilus is available if you need any further information on +33 (0)2 51 34 93 28

Safety sheets are available at **www.argilus.fr/telecharger/**