

# Clay dry construction panel system RIVIERA

Dry construction panels as mounting aid for the water pipe

For installation to ceiling, wall or inclination



## Characteristics

Clay dry construction panel with grooved structure for installation of the RIVIERA system water pipe. with pressed-in glass-fibre mesh. For installation to a wall or ceiling, or to inclinations, on wooden substructure. As a base for the ArgillaTherm clay finish-plaster No. 1-2.

## Composition

Wooden grid, sands, clays, hemp fibres, glass-fibre mesh.

## Key figures

Measurements	375 x 375 x 25 mm
Size accuracy	± 0,5 mm
Panel weight/ m <sup>2</sup>	approx. 5,15 kg / 36,50 kg
max. pipe capacity per m <sup>2</sup>	11,8 m
Compressive strength	min. 2,5 N / mm <sup>2</sup>
Flexural strength	min. 4 N/mm <sup>2</sup>
Bulk density	1.745 kg/m <sup>3</sup>
Steam diffusion resistance	min. $\mu = 5/10$
Building material grade	A 1
Thermal conductivity of clay	1,05 W/mK
Abrasion	≤ 0,7
Steam sorption grade	WS III
Desiccation shrinkage degree	≤ 2 %

## Forms of delivery

Packages	Content	Reach of System	Article number
180 plates per pallet	180 off	25,315 m <sup>2</sup>	WSBP000181

Measurements including pallet approx. 120 x 80 x 95 cm with edge protection and cardboard cover. Weight including pallet approx. 945 kg.

## Storage

The material is indefinitely storable at dry storage.

### Application

Clay dry construction panel for creation of clay dry plaster as mounting aid for the ArgillaTherm water-bearing PB-pipes and as a subsurface for the ArgillaTherm clay finish-plaster No. 1-2. Create sufficiently viable and even subsurfaces, e.g. out of laths 2 x 4 and 2,2cm ESB-panels. Install panels to it gaplessly, while fastening it at the centre of each panel and where a cross joint is formed. Subsequently install pipe and cover with the ArgillaTherm clay finish-plaster No. 1-2. The edge regions can be cut with an angle grinder or circular saw bench (recommended saw blade: EDESSÖ DP HKS 250x2,4/1), holes can be drilled with a diamond studded drill bit.

Please refer to the RIVIERA system instruction manual for more accurate processing directions.

### Subsurface

The subsurface must be sufficiently viable and even. For construction parts that are in direct contact with outdoor air (roof surfaces, exterior walls etc.) consider capillary active and void-free thermal insulation and conduct a dew point calculation. Generally, use ESB-Plus panels as a substructure, which are to be handled by tongue and groove connection.

For construction parts that are not in direct contact with outdoor air there is usually no need for thermal insulation. If in doubt please refer to our application experts.

### System products

#### *ArgillaTherm water-bearing pipe system RIVIERA*

Flexible, water-bearing PB-pipe (12 x 1,3 mm) according to DIN 16968 for fabrication as heating- and cooling tool in the ArgillaTherm system panel RIVIERA, impermeable to oxygen according to DIN 4726.

#### *ArgillaTherm Clay finish-plaster No. 1-2*

Suitable clay plaster-ready-mix according to DIN 18947.

#### *ArgillaTherm Clay finish plaster No. 2-2*

Ready-mix for creation of white clay thin-layer coating according to DVL TM 06.

#### *Thermostat AT-3R*

Thermostat according to DIN EN 60730, protection class II, for finery or flush mounting.