Portal Trading
Timber Trade and Export Ltd.

Pre-fabricated Kits Division

STANDARD DESCRIPTIVE REPORT
COMPLETE KIT

GRÁPIA

Grápia (also known as garapeira) is a high-quality, durable hardwood, considered a noble timber for construction and furniture. It has a yellowish color and excellent finish for painting. Durability is one of its main mechanical characteristics. It is resistant to decay and insect attacks. Grápia timber is highly valued by professionals due to its excellent structural behavior and ease of application.

WALLS

Made of Grápia timber, approximately 3.5 cm thick by 14 cm high, with variable lengths according to the project, fitted with a tongue-and-groove system, applied horizontally between solid pine posts, approximately 10.5 x 10.5 cm. Bathroom and kitchen walls are masonry for tile installation (no wood cladding on internal or external faces). Ceiling height approximately 2.57 m.

ROOF FRAMING

Grápia timber roof structure consisting of beams, rafters, battens, struts, and eave fascias in dimensions as required by the project. 2x10 planking for internal gable cladding for sloped-ceiling projects. Red Portuguese-style clay roof tiles. Eave width approximately 50 cm.

CEILING LINING

Ceiling lined with angelim or similar timber. Eaves, veranda, and shelter areas have no lining.

JOINERY

Living room with straight window without shutters. Bedrooms with straight windows with shutters in Arana Cedar. Bathroom with awning-type straight window. Kitchen window straight without shutters. Internal doors: flat flush panel in angelim. External doors: panelled type in Arana Cedar. All windows are in Arana Cedar.

FLOORS AND TILES

Bathroom, laundry, and kitchen walls tiled to the ceiling with Eliane or similar brand tiles. Bathroom, laundry, kitchen, veranda, and shelter floors in ceramic tiles, Eliane or similar brand. Living room, bedrooms, and circulation areas in ceramic flooring. Upper floor in hardwood planking over beams for two-storey kits.

HARDWARE

All hardware (hinges, locks, latches, rods, espagnolettes, etc.) will be chrome-plated type, considered standard for the Grápia kit.

PLUMBING

Toilet with coupled flush tank, standard white washbasin. Chrome bathroom accessories kit containing 5 pieces. Chrome bathroom faucet. Electric shower with aluminium bar. Cold water piping in PVC pipes following ABNT technical specifications. Dimensions and quantities according to project. Provision for water tank of 310 to 500 litres. Pipes and fittings per ABNT. All valves with chrome finish.

SEWAGE

Sewage piping in PVC pipes following technical and market standards. Fittings, drains, couplings, siphons, sealing rings, and toilet flanges within legislation and technical standards.

ELECTRICAL

Copper wiring with flame-retardant plastic coating in gauges according to technical standard recommendations, protected by thermomagnetic circuit breakers, distributed vertically in wooden conduits and horizontally above the ceiling lining via plastic insulators. Dimensions and quantities according to project.

ELECTRICAL / DISTRIBUTION

Wire sizes and gauges per ABNT (Brazilian Association of Technical Standards).
Power points as follows:
BEDROOMS – 2 outlets – 1 switch – 1 light point.
KITCHEN – 3 outlets – 1 switch – 1 light point.
LIVING ROOM – 3 outlets – 2 parallel switches – 1 light point.
CIRCULATION – 1 light point.
LAUNDRY – 2 outlets – 1 light point.
BATHROOM – 1 combined switch/outlet – 1 light point – 1 shower point.
Circuit breakers per technical specification.

PLUMBING / DISTRIBUTION

Pipe sizes and gauges per ABNT (Brazilian Association of Technical Standards).
Plumbing points as follows:
KITCHEN – 1 point for sink.
BATHROOM – 1 point for washbasin – 1 point for toilet – 1 shower point.
LAUNDRY – 1 point for tub – 1 point for washing machine.
Piping per technical specification.

PAINTING

Acrylic paint for masonry. Enamel paint for timber. Sandpaper and solvent for dilution if paint is not water-based.

Note: The quantities and specifications of this kit do not include materials that are components of the building structure, such as foundation materials and wet areas (bathroom and kitchen).

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www.portaltrading.com.br | portal@portaltrading.com.br