

Sustainable Design



CAPE REED STRUCTURE

The Resort also has all its building roofing installed with cape reed structures which is comes from sustainable African forests. This is a unique thatching material only grows on small strip of land in southern cape region of south Africa. The cape reed plant provided one of the most durable natural fibers on earth making it ideal for thatching with life expectancy of 20- 50 years . It allows trapped water and heat to escape making it waterproof and UV-Proof. Which is ideal for local climates.

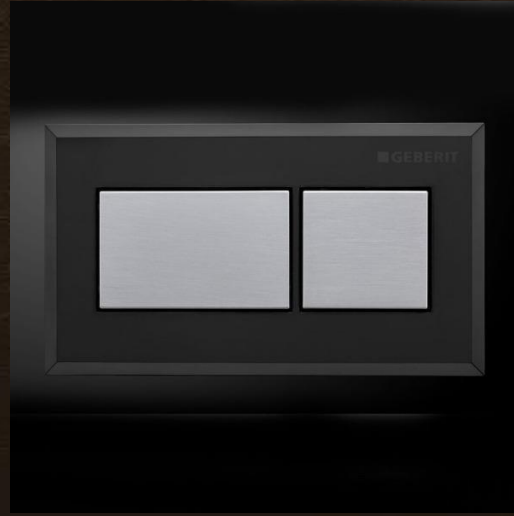
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WEATHER STATION

- 1). Cup Anemometer – Measures the speed of the wind.
- 2). Rain Gauge – Measures the amount of Rainfall .
- 3). Solar Radiation sensor – Measures the weather ET Value, air temperature and Relative Humidity.

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DUAL FLUSH SYSTEM

All WC units in guest rooms & public area's are equipped with dual flush system saving 25% of water usage

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FCU CDP DRAIN PIPE LINES

The FCU units AC condensate drains are connected to the irrigation tank which is recycled to be used for resort 27000 Sq.Mtr landscaping areas.

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SOLAR PANELS

The resort has 50% of its hot water generated through 232 no's solar panels installed on the roof covering areas of 530SqMtr. Area. which generates 2200 kw of heat output / day.

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ROOF CLAY TILES

Advantage of clay tiles that has kept them a staple for centuries is the ability of clay to insulate, keeping inside temperatures warm in winter and cool in summer. Combined with a natural ability to reflect, instead of absorb, heat from the sun, clay tiles can reduce the energy required to maintain the comfortable temperatures.

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Variable frequency Drives

The resort HVAC system fully equipped with 69 no's of VFD's for saving the energy.

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INSULATED DOUBLE GLAZED DOORS

All the guest rooms and public area's installed glass doors are insulated with double glazed glass panels to reduce the heat transfer across the parts of the building.

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FAÇADE LIGHTING

All external façade lighting is controlled by the photocell ensuring efficient lighting operation

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ECO WOOD DECKING MADE WITH 100% RECYCLED PLASTICS

Eco Wood Product is truly environmentally friendly, totally inert and infinitely recyclable. Eco plastic Wood is manufactured from plastic waste such as waste packaging, waste drinking cups, plastic bottles and other similar items that are not biodegradable. The appearance of product and feel is the same as wood but requires no painting or staining.

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ECO WOOD TRASH BINS MADE WITH 100% RECYCLED PLASTICS

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PUBLIC AREAS WATER SAVERS

All public area's and guest room taps have been installed with water savers. Guest rooms water saver installation is in process saving 40% of water usage

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OCCUPANCY SENSORS

All back of the house corridors lighting 24 X 7 is controlled by the occupancy sensors saving almost 25% of energy

Sustainable Feature



LIVE GREEN WALLS

The Resort also equipped with the Live Green walls of 600 Sq.mtrs which is one of the Unique designed incorporated in lobby corridors to give guest a permanent green reminder of their stay.

- Around 170 different Species of plants make the Green Walls of Sofitel The Palm.
- 24 Indoor Green Walls and 590 m2 all together form the Unique concept of Sofitel The Palm.
- 6 no's outdoor Green Walls with 28m2 area.