Comparison Chart for CoolAnt Products

Factors	Facade	Air cooler	Fan	Split AC
Spaces	Closed and open	Closed and open	Closed and open	Closed
Method	Natural + mechanical ventilation	Mechanical	Mechanical	Mechanical
Technique	Evaporative cooling	Evaporative cooling	Air movement	Refrigerant based cooling
Energy consumption	0-15%	15%	10%	10%
Humidity	Can control humidty by regulating water flow	No control on humidity	Same as RH	Can be controlled
Application	Can be applied on building facades	NA	NA	NA
Longevity	10-15 years	8-10 years	6-10 years	8-10 years
Cost	1200 - 1500 / sft	10000 per unit	1000 per unit	40000 per unit
Heat transfer	Cuts the heat entering the building	NA	NA	NA
Air quality	Open fresh air	From cooling pads	No change in surrounding air	Circulates same air inside in most cases
Aesthetic Value	Has a good aethetic value	None	None	None
Planters	Can integrate plants	NA	NA	NA
Custom based	Customisable	NA	NA	NA
Environment	Very good	To an extent	Good	Bad
Water	Smart Drip system	Continous flow	NA	NA
Refrigerant	Water	Water	NA	Chemical
Primary material	Earth and aluminum	Plastic	Metal / plastic	Plastic /copper / aluminum
Post life cycle	Back to earth	Plastic waste - landfill	Electronic waste	Plastic and HCFCs - harmful to environment