

SOUTH ASIA'S LARGEST MANUFACTURER
of Highly Efficient & Reliable Cooling Pads

ECCCOOL[®]
EVAPORATIVE COOLING PADS



- 5mm & 7mm flute available
- Customization for every requirement

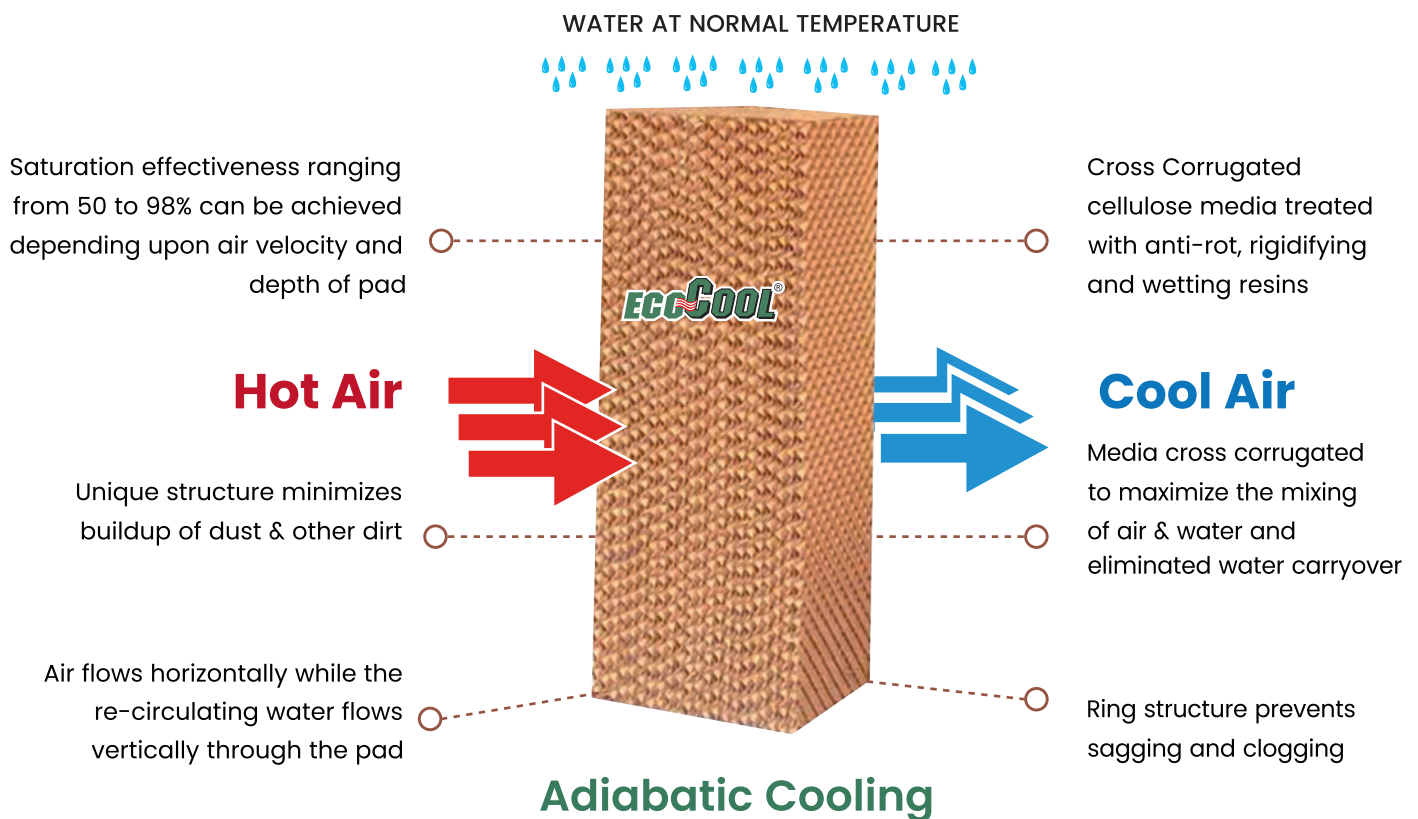
- Different flute angle combination available
- Any size & depth available

Cooling with **ECCCOOL**® Evaporative Cooling Pads (ECPs)

How does it cool?

EcoCool Evaporative Cooling Pad uses the simple principle of cooling by evaporation i.e. passing hot fresh air through the wet and cool surface to bring temperatures down.

The EcoCool Evaporative Cooling Pads are saturated with water, sprayed onto it through prefixed channels. Fresh Air, which is warm or hot, is blown (with the help of a fan) through the wet EcoCool Pad. The water evaporates when it comes in contact with the warm/hot air, thus cooling as well as humidifying the air entering the area. Shop floor and industrial premises, Green house, hatchery. Ecofriendly and economic, EcoCool provides the ideal media to keep temperature low in industrial, commercial and residential areas, poultry farms, hatcheries, livestock areas, green houses and other agricultural areas.

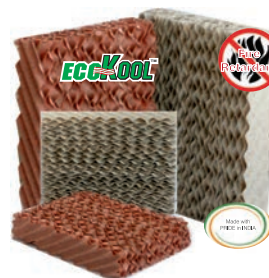


ECCCOOL® Antibacterial Pad



EcoCool Antibacterial Pads are an innovative solution for enhanced hygiene and air quality in cooling systems.

ECCKOOL™ Fire Retardant Pads



EcoCool Fire Retardant Pads by DRI, is the ultimate solution for hazardous environments like the oil and gas, turbine and chemical industries.

Features and Benefits

- **Cellulose Base:** Engineered from cross sectional, specially treated fluted media capable of absorbing and retaining water to provide maximum cooling efficiency.
- **Rigid Structure:** The specially engineered fluted structure of EcoCool prevents sagging and resist clogging.
- **Energy Efficient:** Allows higher cooling with lower air volume; pads are over 80% efficient.
- **Long Life :** EcoCool is synthesized with specialized anti-rot chemicals.
- **Effective Cooling:** Lowers temperatures at minimal energy cost.
- **Low est Maintenance:** EcoCool has a unique structure that minimizes buildup of dust and other dirt on it.
- **More effective:** EcoCool can handle treble the air velocity over the same area, compared to any other type of pads.
- Ecocool enjoys a higher efficiency due to specialised treatment.
- **Compatible:** EcoCool can be customized for special applications and is compatible with all air handling and conditioning systems.
- **Retrofit:** Hassle-free installation, whether on walls, ceilings, or coolers.
- **Also available in 45/15, 30/30 and other flute angles**

Application Areas



Pharmaceutical



Hospital Equipment Store



Kitchen Ventilation



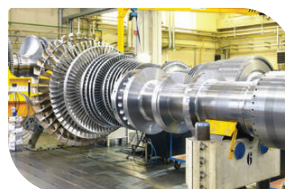
Restaurants



Oil Refineries



Chemical Industries



Gas Turbines



Cooler Manufacturer



Manufacturing Facilities



Auto Industry



Vegetable and fruit storage



Textile Humidification



Poultry



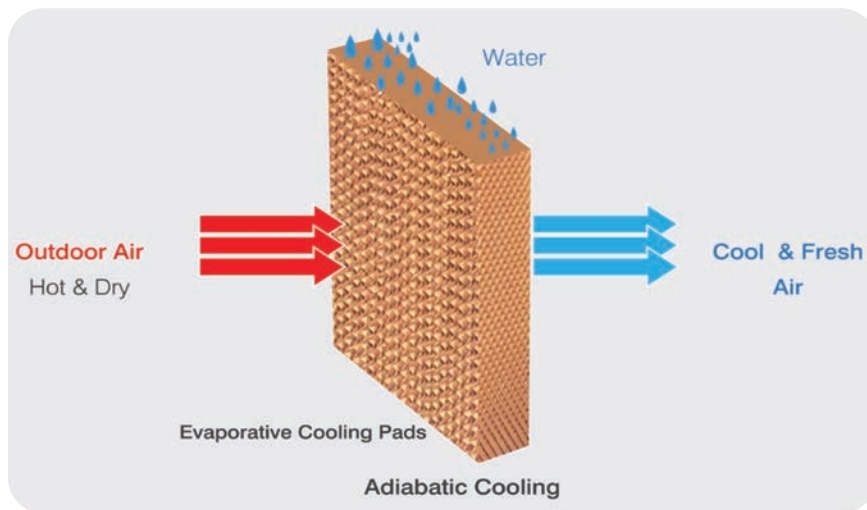
Greenhouse

...and many more

EcoCool® Antibacterial Pads

EcoCool Antibacterial Pads are an innovative solution for enhanced hygiene and air quality in cooling systems. Engineered to inhibit bacterial growth, mould & fungus these pads reduce the risk of contamination, ensuring cleaner air and water. Versatile and effective, our Antibacterial Pads provide a comprehensive solution for maintaining a healthier environment while delivering optimal fresh air cooling performance.

How does Evaporative Cooling Works ?



**Antibacterial
Evaporative Cooling Pads**

ASTEM E-2149-13a Certifications



Features

- 5mm & 7mm flute available
- Customization possible in any size
- Different flute angle combinations available
- Customization for any requirement

Benefits

- Fresh & Hygienic Air
- Malodour Control
- Significant reduction or removal of water based bacteria

EcoKool™ Fire Retardant Pads

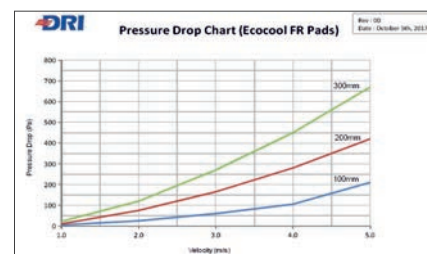
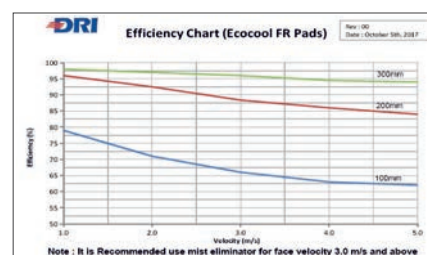
EcoKool Fire Retardant Pads by DRI, is the ultimate solution for hazardous environments like the oil and gas, turbine and chemical industries. Engineered with advanced fire-retardant properties, these pads provide unmatched safety and peace of mind in high-risk settings. With their ability to withstand extreme temperatures and prevent the spread of flames, EcoKool pads ensure reliable cooling without compromising safety.

What is EcoKool FRP?

- DRI's Fire Resistant Cooling Pads: Unrivalled safety and efficiency
- Cutting-Edge Technology: Crafted from special inorganic glass fiber for a revolutionary cooling experience.
- Versatile Application: Ideal for commercial air handling units, gas turbine intake cooling, and oil & gas facilities.
- Exceeding Standards: Meets and exceeds building and fire codes, ensuring top-tier safety.
- ISO 9001 Certified Manufacturing: Immerse yourself in the reliability of our certified processes.
- Customizable Configurations: Tailor your solution with options like 45/15 flute angle and 45/45 flute angle configurations to meet specific needs.
- Elevated Cooling Solutions: Each flame-resistant pad from DRI narrates a tale of high-performance and unparalleled safety.

Features

- Fire Resistance
- Incombustible Design – Special Inorganic Glass Fiber Substrate
- Produced in ISO 9001 Certified Manufacturing Plant
- Inorganic, incombustible material (Non-Combustible according to EURO class A2, S1, D0 “ (Based on EN ISO 1182 and EN 13823 (SBI))and class filter according to UL-900
- Available in Different Sizes and Configurations 45/15 flute angle and 45/45 flute angle
- Maximizing evaporation efficiency
- Designed for minimizing pressure drop



Benefits

- Optimal Water Absorption, Smooth Airflow, and Efficient Cooling
- Enhance Durability and Longevity with Protective Edge Coating
- Easy maintenance
- Ensuring a Healthy Environment with Algae Resistance
- Tested in Accordance with Standards



Give your Coolers & cooling systems
a winning edge with

DRI[®] ECC[®]COOL[®]
Evaporative Cooling Pads

A Perfect Match



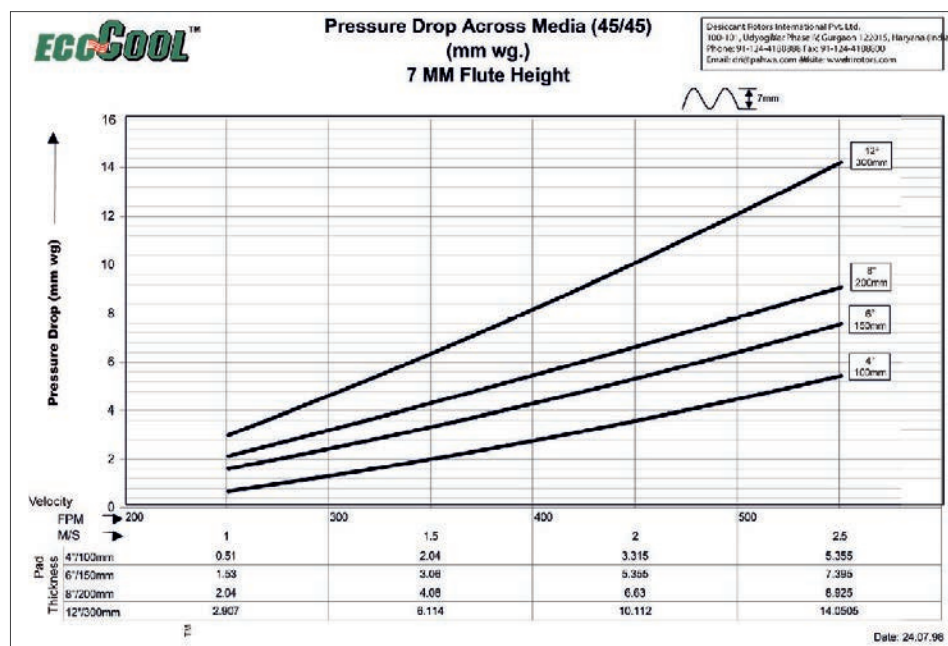
Performance Chart

	Outside Design Conditions (Summer)			Condition of air leaving the media at 80% (3) saturating efficiency	
City	DBT°F	WBT°F	RH%	DBT°F	WBT°F
Delhi	110	75	20	82	75
Hyderabad	106	78	28	83.6	78
Jaipur	110	75	20	82	75
Mumbai	95	83	60	85.4	83
Pune	104	76	28	81.6	76
Bangalore	96	78	45	81.6	78

* 80% Evaporative Cooling efficiency (saturation efficiency) is achieved only with a minimum of 8" (200mm) thick pas.

- Air Coolers for Direct cooling are an extension to the traditional fan pad systems.
- They provide large scale powerful cooling in factories, indoor spaces, rooms and outdoor areas.
- Such systems are used as a cost efficient cooling solution in Dry Climate Region.

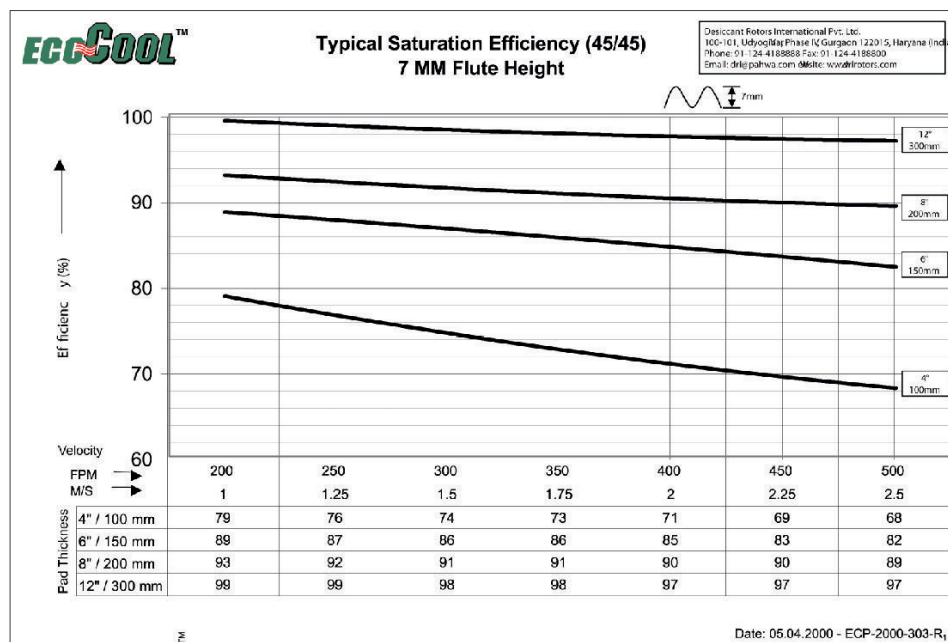
Pressure Drop of Media (45/45)mm with 7mm Flute



RoHS Certified



Typical Saturation Efficiency (45/45)mm with 7mm Flute

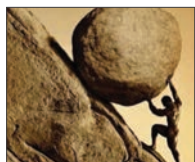


RoHS Certified



EcoCool® Evaporative Cooling Pads (ECPs)

12 Reasons why EcoCool Pads are your best buy



Structural Strength: The EcoCool pads are treated with stiffening and rot-resisting agents for structural strength. Its structural strength allows it to stand alone without any support thus, saving on the cost of support material.



High Efficiency: Cross corrugated and resin treated media allows better wettability and more effective cooling even at lower air volume.



Durable: EcoCool pad boasts of a specially engineered rigid structure with anti-rot chemicals to prevent sagging, resists clogging and retard the growth of bacteria, assuring long life.



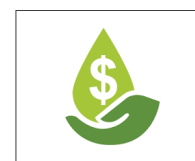
No Edge Build-up: EcoCool pads have smooth/fine edges, which help to lessen building of dust particles thus enhancing the life span of the pads. It is easy to maintain, wash & scrub.



Gluing: The cross sections of the pads are glued on with special glue. The glue does not deteriorate even after staying in contact with water for years.



Customised: EcoCool pads can be tailor made to suit your specific requirements.



Economical: EcoCool Pads have very low running cost, hence more profits.



Exported World Over: With their superior quality, EcoCool pads are the preferred choice of OEMs in Australia, West Asia, USA, etc.



Certified: RoHS Compliant



Technical Support: To provide customised solution for every application.



Quality: Conforms to ISO 9001:2015 Certification



Made in India: Proudly Made in India for the world.

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