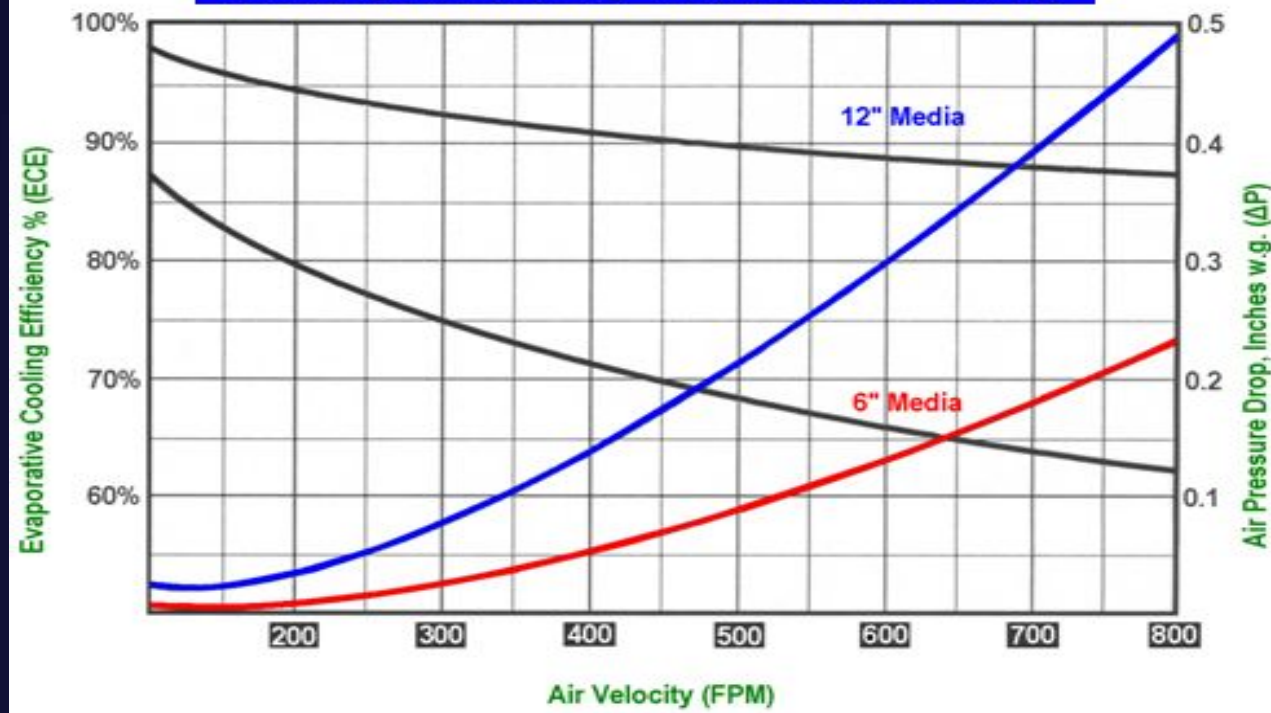


## Cooling Efficiency and Pressure Drop



### Examples

12" Media = 0.25" w.g. @ 550 fpm  
 6" Media = 0.11" w.g. @ 550 fpm



For More Information or Quotation:

918-286-7176- phone • 918-286-7215- fax  
 sales@drbindustries.com • www.drbindustries.com

quality.experience.service



Sales Offices: Warehouse/Distribution Center Production Plant  
 3104 South Elm Place • 10102 East 54th Street  
 Kool- Pack (Klean Air S.A.) Plant  
 Broken Arrow, Oklahoma • Tulsa, Oklahoma • Torreon, Mexico



# Kool Pack

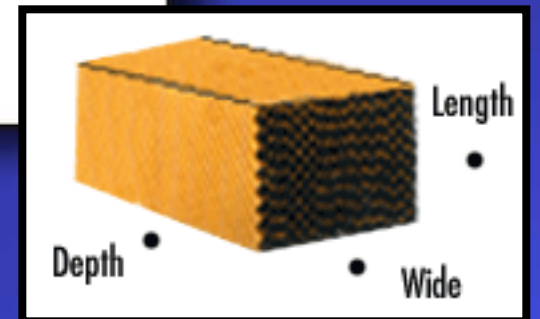


**KOOL-PACK** is an evaporative cooling pad made of virgin, high absorbent, cellulose Kraft paper, especially made for cooling application. Each sheet is individually formed and impregnated with thermosetting resins and additives, to resist degradation.

**"...high cooling efficiency, increased longevity, low maintenance"**

Dimension	Standard Size
Depth	4", 6", 8", 12", 24"
Length	36", 48", 60", 72"
Wide	12"

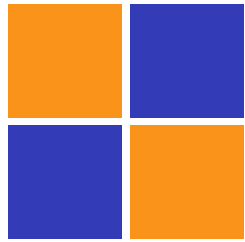
\*Available in custom sizes



Made with virgin cellulose paper that weights 110 gr/m<sup>2</sup> Each sheet is formed and impregnated with thermosetting resins to improve resistance, additives to facilitate absorption, and anti-rot agents The alternated 45° or 15° flute angle sheets are bonded together with water-resistant adhesives

- Dry weight: 2 lb/ft<sup>3</sup> • Wet weight: 5 lb/ft<sup>3</sup>
- Maximum Water Temperature: 100°F
- Maximum Air Temperature: 250°F
- Water requirement: 1.5 gallons/minute/ft<sup>2</sup>





# Superior cooling for every application...

high cooling efficiency,  
increased longevity,  
low maintenance.

Finally... an Evaporative Cooling Media Pad that has all the high quality features you want in a cooling pad but without the high price.

Kool Pack Evaporative Cooling Pads are made from quality "highly absorbent" cellulose Kraft paper with engineered cross-corrugated flutes that are chemically impregnated with thermo-setting resins to provide optimum performance.

Kool Pack pads are structurally rigid & come with straight edges (no gaps) allowing you to operate your cooling system more efficiently and at higher velocities.

Kool Pack Cooling Pads also come standard with a "double angle" high pitch that provides you with greater water distribution over the entire surface of your media.

- Improved livestock yield.
- Gas turbine intakes.
- Space ventilation and cooling for greenhouses.
- Comfort cooling for factories, commercial buildings and institutions.
- Pre-cooling for air-cooled heat exchangers.
- Cooling for manufacturing processes.
- Pre-cooling and humidification for water cooling for indirect evaporative coolers. Air washers for industrial A/C systems.
- Humidification for winter heating.

Kool-Pack not only provides you more cooling efficiency per cubic foot than standard pads but also resists the rot, clogging, sagging and fouling you normally see in competitors pads. This translates into a cooling pad not only with a longer service life but also that is virtually maintenance free.

"Isn't it about time you got the high cooling efficiency, long life and low maintenance you expect in an evaporative cooling pad at a cost effective price...if it is...it's time for Kool-Pack.



quality.experience.service

## WHAT IS EVAPORATIVE COOLING?

Direct Evaporative cooling takes advantage of natural evaporation process to remove heat from dry air. This adiabatic process turns sensible heat into latent heat resulting in a drop in temperature of as low as 20° F.

## HOW DOES IT WORK?

When the dry air passes through a wet media, the water uses the heat from the air to evaporate; hence the air exiting from the wet media is fresher and humid.

## MAIN USES

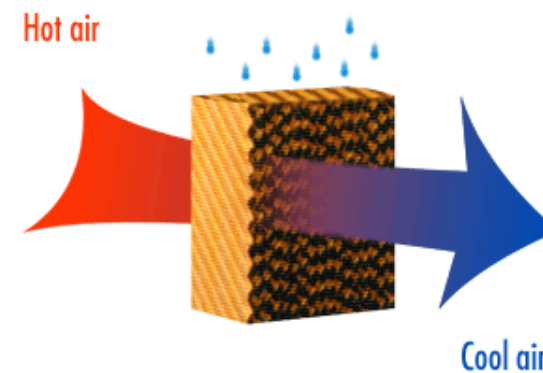
Since evaporative cooling relies on water and dry air to achieve optimal cooling efficiency, the evaporative coolers are more commonly used in dry weather areas found in the southern states close to the Mexican border such as Arizona and Texas, where evaporative coolers are used in houses, offices, shopping malls, industrial plants etc. Because of its low installation and maintenance cost evaporative cooling pads are also used in greenhouses, poultry and hog houses and electricity generation plants.

## EVAPORATIVE COOLING

The pad for evaporative cooling **KOOL-PACK** with its cross-corrugated angle flute achieves efficient water evaporation by sending the most of the incoming water to the air flowing in and using the remaining water for self-cleaning, the air that leaves the pad is therefore cooled and humidified. **KOOL-PACK** is compatible with most evaporative cooler systems and can be used as replacement for systems working with ASPEN fiber. Because of its design **KOOL-PACK**, delivers fresher air at a constant flow with less frequent maintenance required.

## GREENHOUSES, POULTRY & HOG HOUSES

To keep a fresh and comfortable temperature in your greenhouse or poultry house, you can use **KOOL-PACK** cooling pads. By placing **KOOL-PACK** in the air entrance from your house, you can get fresher and cleaner air in a very easy and economical way, hence creating a better environment for your chickens, or plants. The low installation and maintenance cost make **KOOL-PACK** the best option to increase your farm productivity.



**KOOL-PACK** is the high density evaporative media that provides more cooling efficiency per cubic foot.

## FEATURES:

- 50 sheets per cubic foot
- Preformed sheets in 45-15° or 45-45°
- Made with anti-mold agents
- Impregnated with resins and additives to increase its durability and resistance

## BENEFITS:

- More cooling efficiency per cubic foot
- Self cleanable design
- Easy maintenance and installation
- Extremely low pressure drop

## DIRECT REPLACEMENT FOR FIBER (ASPEN) PADS:

- Cools up to 10°F more
- Lasts up to 3 times more
- Cleanable and scrubable, requires less maintenance and is easy to install

## APPLICATIONS:

- Livestock Confinement
- Gas Turbines
- Gas Compressor Stations
- Residential Cooling
- Precoolers
- Industrial Humidification
- Vegetable Storage