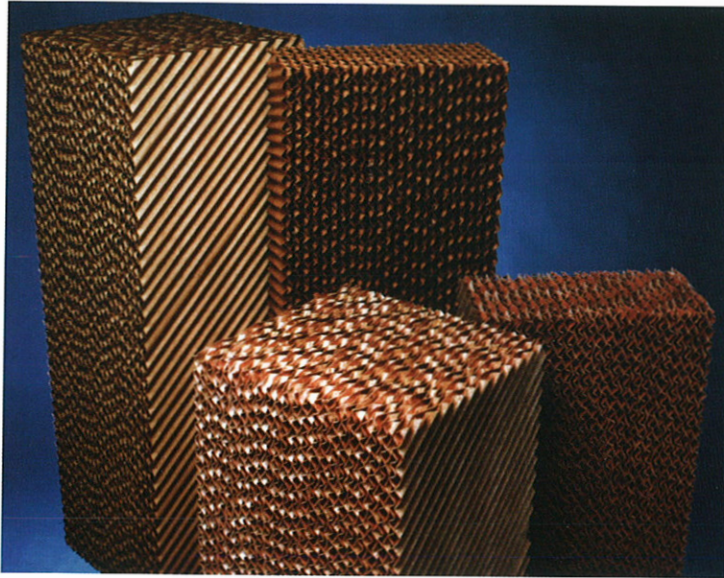


HumiCool Division

GLASdek® with TUFedg®

Fire Rated Evaporative Cooling and Humidification Media



GLASdek Features

Munters GLASdek evaporative media is made from a flame retardant material fortified with special rigidifying agents. The cross fluted, unequal angle pad design induces highly turbulent mixing of air and water for optimum heat and moisture transfer. This unique design also functions to continually direct more water to the air entering face of the pad, where the most intense evaporation occurs, further enhancing the operating efficiency of the pad.

GLASdek evaporative media achieves a high evaporative efficiency with exceptional cooling and humidification rates due to the design, manufacturing and materials used in GLASdek.

Munters GLASdek is the only media choice where strict adherence to fire codes is required. Fire Rated UL®900, Class II for safety, it is manufactured from a specifically engineered, flame retardant materials.

In most cases, routine maintenance can be performed while systems are still operating. When properly maintained, Munters GLASdek pads will provide many years of highly efficient cooling and humidification.

PRODUCT INFORMATION

Features of GLASdek

- High evaporative efficiency
- Fired Rated UL®900, Class II
- High face velocity, low pressure drop, low drift
- Self-cleaning design
- Simple to maintain

Features of TUFedg

- Protective edge coating
- Algae and weather resistant
- Extends the service life of evaporative pads
- Scrubbable

TUFedg

Munters TUFedg is a tough and resilient edge treatment applied to the air entering face of a GLASdek pad. It has been formulated to withstand repeated cleaning without damaging the pad.

Munters TUFedg is nonporous and quick drying. It prevents algae and minerals from anchoring themselves into the substrate of the pad, so they slough off when dried. TUFedg also protects GLASdek pads from damaging effects of severe weather and long term exposure to UV light. This protective edge coating extends the life of the pad over that of non-treated pads.



The Humidity Expert

Design Considerations

Water Distribution: the water flow needed is based on the depth of the media used. GLASdek requires 1.5 gallons per minute per square foot of horizontal (top) pad surface area. For installations that have intense evaporation or pad walls taller than 72", additional water may be required.

Supply: the gutter and sump should be sized to supply the system with enough water to operate at its maximum flow rate and not overflow when the system is shut down.

Maintenance

Mineral deposits can be minimized by maintaining a continuous water bleed-off, or by periodically dumping the sump. The exact amount will depend on the pH and hardness of the water supply. Munters can assist by recommending individual bleed-off rates.

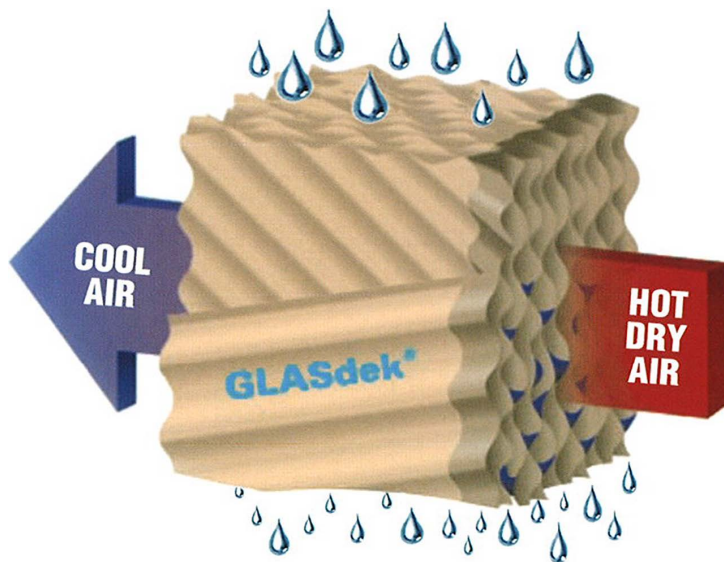
If algae is allowed to grow freely on GLASdek, it may eventually clog the passages and inhibit the flow of air. This increases the static pressure and reduces the efficiency of the pad. Algae build up can be controlled by early implementation of simple maintenance techniques. Munters maintenance bulletins provide information to help maximize the efficiency and life of GLASdek.

Sizes available

Depth: 4", 6", 8", 12"

Height: 48", 60", 72"

Width: 12"



The shallow angle of Munters unequal flute design allows high velocity air to travel through the pad without significant resistance or water droplet carry over. GLASdek's self-cleaning design resists the clogging caused by dust, sand or other debris. By design, more water is directed toward the air entering face of the pad, where it flushes away dirt and debris.

Options

Distribution pads disperse water laterally and evenly across the top of the pad. These specifically designed pads are also protected with Munters patented edge treatment.

Selection

The depth and height of the media varies by application. Call Munters for help in determining the requirements of specific installations. GLASdek may also be cut to fit smaller equipment.

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