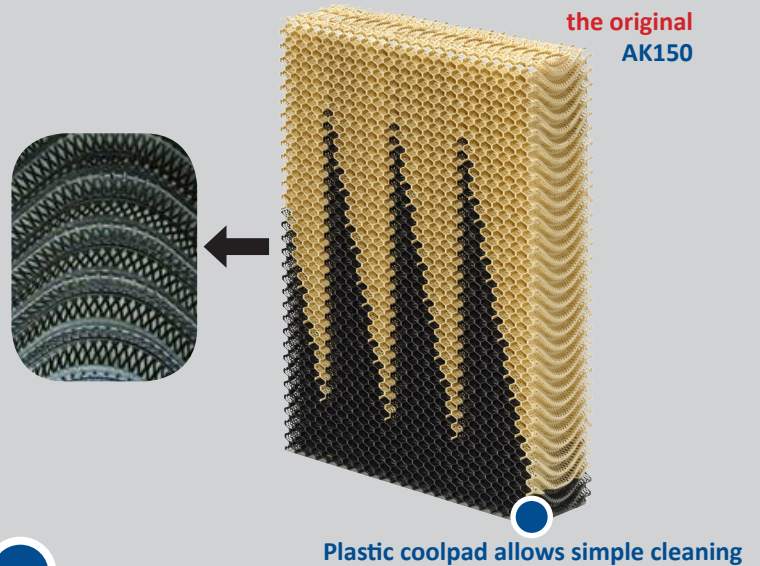
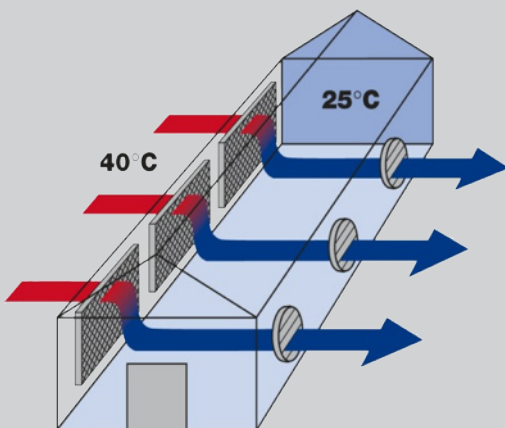


HEWiCOOL PAD series

Excellent humidification and cooling for agriculture applications

principle of evaporation cooling:



The original **HEWiCOOL PAD** supports a continuous controlled climate cased by a cool stable air temperature and optimal humidity at higher outdoor temperatures.

Hewitech develops and produces high-performance plastic **HEWiCOOL PAD** for customer-specified humidification and evaporative cooling systems.

Replacement of paper pads – since 2006 the patented **HEWiCOOL PAD** AK150 was introduced in the market of evaporation cooling and structured fill with highest specific surface. Today the market realized the advantages of this very robust pad and is well established by farmers

Experts worldwide recognize the durability of the **HEWiCOOL PAD** and the very robust grid production by our fully automated production lines.

HEWiCOOL PAD Features:

- High cooling performance
- Impressive mechanical strength
Equal dry and wet condition
- Full 3D-open-net
- Low drop pressure ~30% save
30 percent of energy costs
- Easy to clean + disinfection process
- Reduction of smell – quick drying



HEWiCOOL PAD series

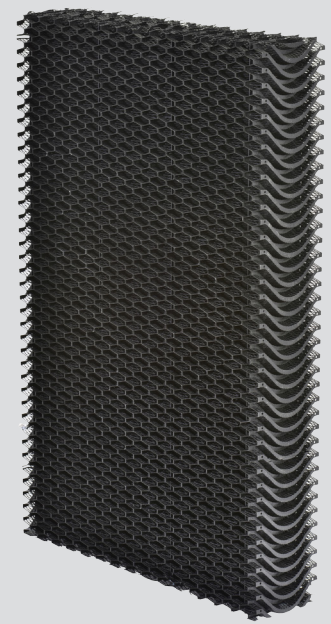
Technical information

The original **HEWiCOOL PAD AK150** is very stable because of:

- > 3000 pressed contacted points/m²,
- > 650 welding points per m²
- + 3 integrated full flat sheets per module width of 600m



model	AK150	AK100
Typical Application	Greenhouse, poultry and pig farming	
Made	Polypropylene	
Operation Temperature	up to 75°C	
Structure	grid	
Resistance	against various chemicals, fungi and rot resistant	
UV	High resistant + longlife	
Color(s)	Anthracite	
Standard dimension		
Length (mm)	< 2750	< 2000
Width (mm)	600	
Thickness (mm)	150	100
Assembly	Pre-assembled	



This general information about technical data and descriptions of our products has been put together with greatest care. We reserve the rights of any changes without further notice. We recommend to re-check data before using in final project designs. All data without obligations and consequences due to non-compliance.

efficiency of AK150 (tested in the clima tunnel)

			30%		40%		50%		60%	
300C	°C	ΔT	21,4	8,8	23,2	7,3	24,4	5,9	25,4	4,6
	%	ΔT _{rel}	71,3	40,2	76,6	35,7	79,6	30,4	86,4	26,2
350C	°C	ΔT	25,8	9,2	27,5	7,6	28,8	6,1	30,2	4,8
	%	ΔT _{rel}	67,4	36,8	73,1	33,0	78,8	28,5	85,2	24,9
400C	°C	ΔT	29,0	11,1	31,0	9,7	32,7	7,2	34,4	5,6
	%	ΔT _{rel}	70,1	40,3	76,1	37,6	82,4	31,9	86,8	26,5
500C	°C	ΔT	36,9	13,1	39,5	10,7	41,6	8,5	43,3	6,6
	%	ΔT _{rel}	70,9	40,6	76,3	36,5	81,6	32,1	85,3	27,1