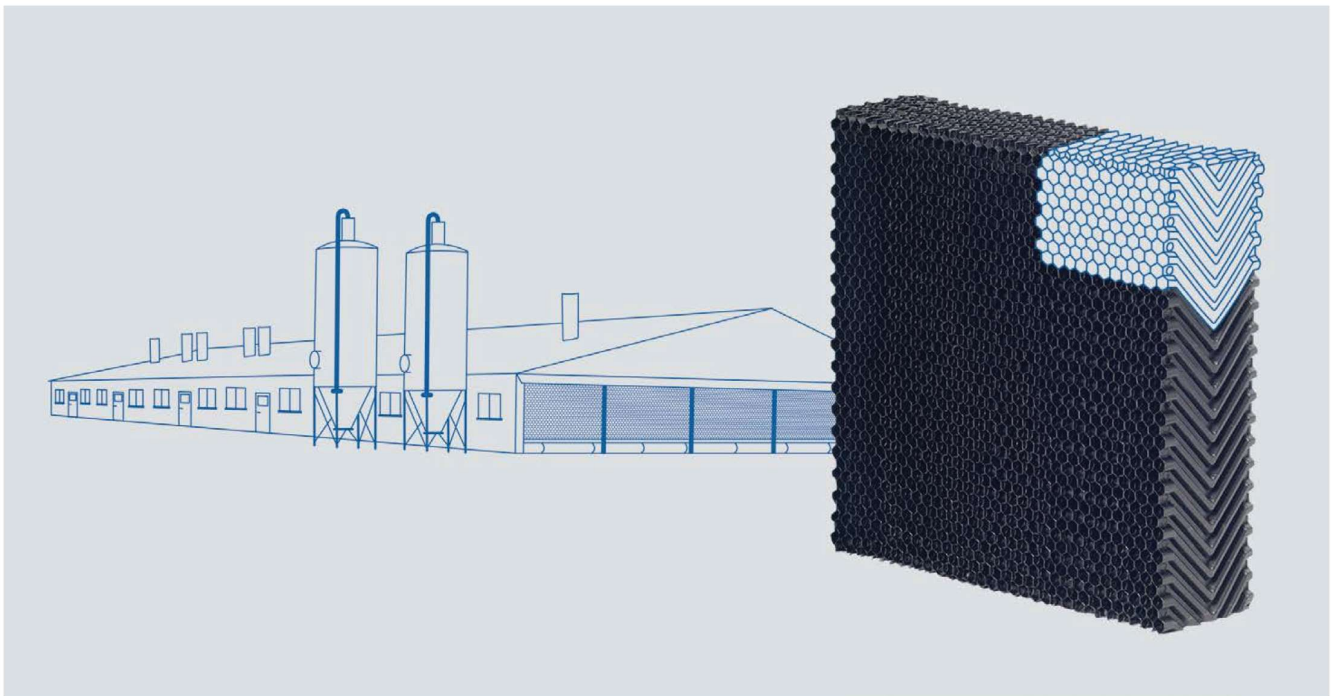


# PPpad

## Plastic Components for Evaporative Coolers



Evaporative cooling presents a proven procedure to cool chicken, hog or green houses, especially in warm regions of the world.

For this purpose, PPpad fills are mounted into the walls of stables and green houses and are irrigated. An air flow generated by fans is lead through the fills and is at the same time humidified and cooled.

The use of polypropylene together with the special geometry creates rugged elements that are imperishable, UV-resistant and almost impervious to light. When serviced appropriately, they offer a constant cooling capacity throughout their lifetime.

### Features of our PPpad fills

- Excellent cooling capacity
- Easy to clean
- Long service life
- High light resistance
- Low pressure loss
- UV-resistant
- High efficiency
- Easy installation

PPpad fills are used to cool animal sheds and green houses. They feature excellent cooling performances at low pressure loss. Their material – a polypropylene compound – makes them very rugged and long-lasting. As they are easy to clean, they do not have to be exchanged regularly, which is a big advantage compared to other products on the market.

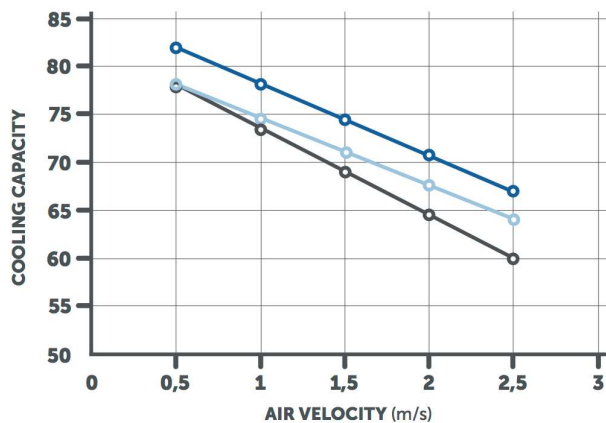
| Technical Data |                                                                                   |                                                                                                                                                                                                                        |                                    |                                |             |            |       |
|----------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------|-------------|------------|-------|
| Type           |                                                                                   | Applications                                                                                                                                                                                                           | Material                           | Specific surface area          | Max. height | Max. width | Depth |
|                |                                                                                   |                                                                                                                                                                                                                        |                                    | m <sup>2</sup> /m <sup>3</sup> | mm          | mm         | mm    |
| PP 608         |  | <ul style="list-style-type: none"> <li>• Cooling of poultry and pig farms</li> <li>• Cooling of greenhouses</li> <li>• Cooling of warehouses</li> <li>• Domestic comfort cooling</li> <li>• Air humidifying</li> </ul> | Polypropylene (PP)<br>UV resistant | ~ 320                          | 2700        | 600        | 150   |

**Maximum tolerances:** On all dimensions +/- 25 mm or 2 % whichever is the greater. Other tolerances and dimensions by prior agreement.

**PP-material:** Impact-resistant, environmentally friendly

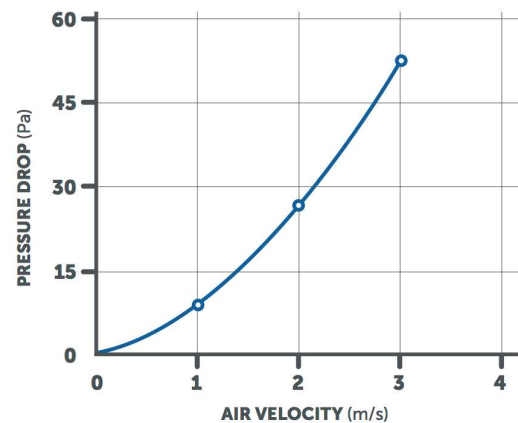
| Efficiency of PPpad                             |        |        |        |        |        |
|-------------------------------------------------|--------|--------|--------|--------|--------|
| Air velocity (m/s)                              | 0.5    | 1      | 1.5    | 2      | 2.5    |
| PPpad (0.75 m <sup>3</sup> /mh)                 | 78.0 % | 74.5 % | 71.0 % | 67.5 % | 64.0 % |
| PPpad (1.5 m <sup>3</sup> /mh)                  | 82.0 % | 78.3 % | 74.5 % | 71.0 % | 67.0 % |
| Competitor Plastic pad (1.5 m <sup>3</sup> /mh) | 78.0 % | 73.5 % | 69.0 % | 64.5 % | 60.0 % |

Efficiency



- PPpad (1.5 m<sup>3</sup>/mh)
- PPpad (0.75 m<sup>3</sup>/mh)
- Competitor Plastic pad (1.5 m<sup>3</sup>/mh)

Pressure Drop



Average values for water flows between 0.4 and 1.7 m<sup>3</sup>/h

This information has been put together with greatest care. However, any performance data given in this leaflet is subject to compliance with certain surrounding conditions and hence may vary from case to case. Further, we reserve the right to make changes at any time without notice. We strongly recommend (i) reconfirmation with us whether this information is still fully valid, before using it for final designs and (ii) to verify performance data taking into account the actual surrounding conditions. We do not take any responsibility for any consequences due to non-compliance with these recommendations.

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