

A large industrial factory floor with machinery and stacks of wood panels. The scene is brightly lit, showing a complex network of pipes and structural beams. In the foreground, there are several large stacks of light-colored wood panels, some with circular patterns. A white machine with a yellow vertical beam is positioned in the middle ground. The background shows more industrial equipment and workers in orange safety vests.

ELKA *Fog*

**'The Perfect Humidity  
For The Best Adhesive Bond'**

ElkaFog® humidification for your glueing process.

# The Perfect Conditions.

For more information, please visit [www.elka-air.nl](http://www.elka-air.nl).

## Humidifaction For Glue Lines.

The strength of the finished product depends on the quality of the adhesive bond. A poor or moderate adhesive bond can easily cause the top layer to separate from the bottom layer later on.

However, it is so easy to optimize the conditions of the tacky process.

Tensile strength tests show that the strength of an **adhesive bond is mainly dependent on the air conditions** under which the adhesive has been applied. Furthermore, to guarantee a constant tensile strength, it is essential to regulate the temperature and humidity during the adhesive process. For example, polyurethane/hotmelt adhesives react very strongly to moisture in the air. Therefore, **increasing the humidity to 60% or 70%** during the bonding process will ensure a smooth and strong cure for optimal tensile strength and quality products.



**The cost.  
Every situation is different! For this  
reason, we only deliver custom-made  
solutions.  
Contact us for an obligation-free offer.**

## The Advantages Of Our Humidification On Your Glue Line:

- ||> To initiate a chemical reaction.
- ||> To promote dimensional stability.
- ||> To increase the tensile strength.
- ||> No difference during the seasons.
- ||> Reduces the dust load in a room.
- ||> Prevents static electricity.

### ElkaFog® a specialist in all types of humidification

As a supplier of compressed, high-pressure, steam, and ultrasonic humidification, Elka Air's specialists can anticipate your requirements like no other. We would be happy to discuss the pros and cons of the various humidification systems with you to help you make the right choice.



### Maintenance & Safety

To avoid risks, Elka Air humidifiers are always equipped with a water standstill monitor. As a result, only cold drinking water is used, and no dead pipes are included in the system. In addition, we offer a maintenance service so that your system is checked annually.





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