

# BINDER chambers ensure quality



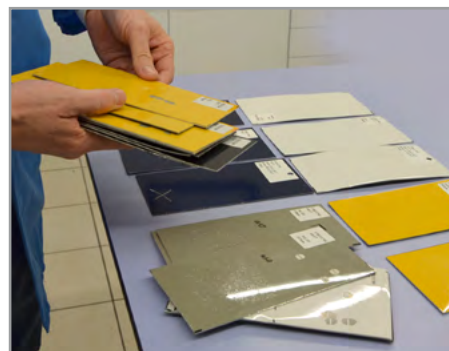
BINDER safety drying chambers can be used to perform what are known as stress tests on different materials. They are even used by a notable car manufacturer in Lower Bavaria.

For example, it simulates stone chipping, corrosion, and other environmental factors on prepared test panels in order to test their material properties. Once the test panel has been coated with the final relevant functional layer, it goes into the BINDER chamber, which

is heated to 145 degrees centigrade. After approximately 20 minutes, the test piece is removed and subjected to simulated stone chipping, for example.

Adhesive tests are also vital in the automotive industry. After all, adhesive is increasingly becoming a more popular choice than welding in today's industry. This is because many types of adhesive are very resilient, as well as being extremely strong and elastic.

BINDER chambers are also ideal for testing these properties as many times as needed. Test pieces are stuck together with adhesive for the purposes of these tests. The adhesive is applied to the metal surfaces and dried in a safety drying chamber for several minutes according to the requirements. The adhesive is then torn and the strength value is deduced.



> Removing the dried test panels from the BINDER safety drying chamber

## Tasks

- Dry varnish and adhesive in a short time at a high temperature
- Consistent temperature distribution
- Door easy to open
- Independent adjustable temperature safety device

## BINDER solutions

- Temperature range: Ambient temperature plus 5 °C to 300 °C
- Controller with time-segment and real-time programming
- Fresh-air monitoring with audible and visual alarm and automatic deactivation of heating
- Replaceable fresh-air filter cartridge, Class M6 spare filter according to DIN EN 779:2012
- Class 2 independent adjustable temperature safety device (DIN 12880) with visual alarm
- Computer interface: RS 422

## Advantages of safety drying chambers

- Fulfills the safety requirements of EN 1539:2010-08
- Short drying times with high temperature accuracy and defined ventilation
- Interior free from silicone and dust
- Easily replaceable fresh-air cartridge ensures constant fresh-air quality



> FDL 115 model

**Inquire now without obligation**

**BINDER**

Best conditions for your success

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