

# The new BÜFA® -Conductive-Tooling-System

## **Conductive tool surface with $10^6 \Omega$ resistance combined with the familiar properties of a Tooling Gelcoat**

More attractive, high-gloss surfaces with less waviness, less cleaning effort, faster cycle times, lower scrap, longer tool life and, on top of that, new degrees of freedom in mould production: These are just some of the advantages of the new tooling systems from BÜFA. The focus of the innovation is a gelcoat made electrically conductive thanks to carbon nanotubes, which minimizes dust adhesion, drastically reduces demoulding problems and at the same time protects people and material from electric shocks. In combination with the other two components of the package, it significantly increases the cost-effectiveness of polyester resin processing.



## **THE INNOVATIVE PROPERTIES OF THE NEW BÜFA® -CONDUCTIVE-TOOLING GELCOAT**

### **A safety advantage for humans and the environment**

- no static discharge effects during demoulding when appropriately earthed
- no charge transfer to humans or flammable materials



## Faster cycle times and improved tool quality

- less dust on tool surfaces, hence better tool quality
- shorter re-coating times since cleaning steps are shortened
- lower demoulding forces required and thus easier demoulding and longer service life



## Other tested properties

- consistent resistance values even after coating with release agent
- consistent resistance values after sanding and polishing
- very good gloss values after sanding and polishing

## The outstanding properties of the BÜFA®-Conductive-Tooling Gelcoat

- habitual properties of a Tooling Gelcoat
- electrical conductivity (TÜV certified)
- safety advantages (use in EX zones 2, 1 and 0)
- improved tool quality
- faster cycle times due to shortened cleaning steps
- increased service life for the tools
- new opportunities for innovative processing methods

## Your advantages of the BÜFA®-Conductive-Tooling Gelcoat at a glance

- meets required safety standards
- ideal workability
- high gloss and optimised surface stability
- low mould maintenance requirement
- improved tool quality

## The new BÜFA® - Conductive-Tooling-System

### *BÜFA-Tooling Gelcoat*

BÜFA®-Conductive-Tooling Gelcoat H/S, nature, black, green

### *BÜFA 1st Layer Resin*

BÜFA®-Resin VE 0910

### *BÜFA-Tooling-Resin*

BÜFA®-Resin VE 7100 Tooling (up to 90°C)

