

BÜFA®-CONDUCTIVE LINE  
Gelcoats, Resins, Concentrates

# Innovative, Conductive Composite Products



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The information given above is based on our current state of knowledge and experience. In view of the many factors that may influence processing and application of our products, the user is not relieved from carrying out his own tests and trials. No legally binding warranty of certain properties or suitability for a particular purpose can be derived from this information. It is the responsibility of the receiver or user of our products to observe proprietary rights as well as existing laws and regulations. The latest version of the EU Safety Data Sheet must also be observed. For further information and Technical Information Sheets, go to [www.buefa.de](http://www.buefa.de).

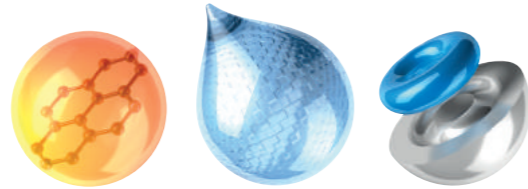
# BÜFA®-Conductive Line

## BÜFA®-CONDUCTIVE LINE

As a system supplier, BÜFA Composite Systems convinces with innovative, tailor-made composite products and complete solutions. With the new products in the Conductive Line, new application possibilities arise in areas where electrostatic charges need to be safely dissipated, for example with switch boxes, for wind generated power stations, floor coatings or in pipeline construction, just to name a few. BÜFA offers a wide spectrum of conductive gelcoats, resins and concentrates all the way to customer-specific, individual solution. New technologies in this area allow new designs and application fields, especially through new possibilities in colouring.

### YOUR PRODUCT ADVANTAGES:

- Innovative possibilities for colouring (different shades of colour, translucent coatings)
- High gloss gelcoat surfaces combined with conductivity
- No aging process in conductivity (constant, permanent low resistance of  $10^3$  to  $10^9 \Omega$ )
- No negative influence of the novel conductive additive on weathering properties and resistance to chemicals
- Customer-specific formulations of resistance are possible
- REACH compliant



### SPECIAL FEATURES:

- When developing new products, resistance and colour formulations are tested specifically for the customer's requirements
- We would also be pleased to develop further applications with you

### PROCESSING:

- Gelcoat (brush and spraying quality)
- Laminating processes
- Winding processes
- UV curing

### CONDUCTIVE LINE SYSTEM VARIANTS:

- Conductive gelcoats in brush and spraying quality (BÜFA®-Conductive-Gelcoat)
- Conductive tooling gelcoat (BÜFA®-Conductive-Tooling-GC)
- Laminating resins and filament winding resins (BÜFA®-Conductive-Resin)
- CNT concentrates for UP and EP resins (BÜFA®-Conductive-CNT-Paste)
- Customer-specific resin formulations for UP and EP resins. Ask us about them.

### ADVANTAGES WHEN PROCESSING THE PRODUCT

- High process reliability and reproducibility
- Low viscosity compared to conventional conductive systems. Processing with normal gelcoat spraying equipment is thus possible (e.g. BÜFA®-Tec GSU ES1 or BÜFA®-Tec GSU Delta 5.5)



## Customer Voice

INTERTEC is a supplier of unique systems that provide reliable protection for highly sensitive field instrumentation.

They are used all over the world to protect equipment that works under extreme operating conditions – in the Arctic, in hot sand deserts but also in Europe. Today, more than half a million such INTERTEC protection systems help instruments, analysis equipment, mobile phone and radar equipment, signalling equipment and transmitters as well as many other devices to operate smoothly and without risk all over the world.

Due to extensive expertise in engineering and through innovation, e.g. in explosion protection and safety technology, INTERTEC has become the world's leading manufacturer in this segment today.

The INTERTEC protection systems, consisting of GRP sandwich elements with inner and outer skins that enclose a core made of insulating PU foam, combine strength and rigidity with exceptionally good safeguarding functions against adverse environmental conditions. All of the standard products can be adapted to meet specific customer specifications.

BÜFA Composites supplies the new and innovative BÜFA®-CONDUCTIVE Gelcoats based on nanotechnology for these systems which therefore have outstanding properties in the area of conductivity and optimisation of production processes.

"BÜFA®-CONDUCTIVE Gelcoats, a high-tech material, offer unbeatable advantages for the production of protection systems in the explosion protection area (according to IEC, ATEX, CSA, GOST, Nepsi) and for harsh environmental conditions with high mechanical requirements" explains Walter Gabler, Technical Director at INTERTEC. "Nearly all of the world's most well-known companies in the fields of energy, chemistry and engineering are our customers. They trust us when it comes to protecting extremely sensitive instruments and control devices from extreme environmental conditions – using high-tech enclosures and shelters along with heating or cooling systems from INTERTEC".

Both companies have enjoyed a decade-long cooperation and the development of innovative BÜFA®-CONDUCTIVE Gelcoats was a joint endeavour.



**BÜFA**

Composites

