

Innovative specialities for the composite industry



Gelcoat Plus



- BÜFA®-Standard-Gelcoats are extensively tested in-house by means of colorimetric measurements. Deviations in the colours of different batches lie in a very narrow range. In spite of this, just one batch should be used if possible for one and the same GRP component.
- BÜFA®-Standard-Gelcoats are packaged ready to use; if any kind of additives are used, the characteristics of the gelcoat and processing quality will differ from those given in the technical information Sheet.
- As a rule, BÜFA®-Standard-Gelcoats are pre-accelerated. Desired differences in gel time can be controlled by the peroxide used. Get in touch with

our Application Technology Department for advice on selecting a suitable curing system.

- BÜFA®-Gelcoats have a guaranteed shelf-life of 3 months at room temperature. Protect the containers from frost and high heat. Before using, each container should be gently stirred. When delivered, the state of the goods should be visibly checked to see that they meet specifications, at the latest before they are used, checking pot-life, viscosity and colour, if necessary. The characteristics of the gelcoat are found in the respective Technical Information Sheet.

Your BÜFA team wishes you lots of success!

The information given above is based on our current state of knowledge and experience. In view of the many factors that may influence working conditions and the application of our products, the user is not relieved from carrying out his own tests and experiments. Not 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 the products to observe proprietary rights as well as existing laws and regulations. The latest version of the corresponding EU safety data sheet must also be observed.

You'll find technical data sheets and further information at www.buefagelcoatplus.com.

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A company of BÜFA and DSM Composite Resins

BÜFA®-Standard

The low emission and user-friendly speciality series



Gelcoats

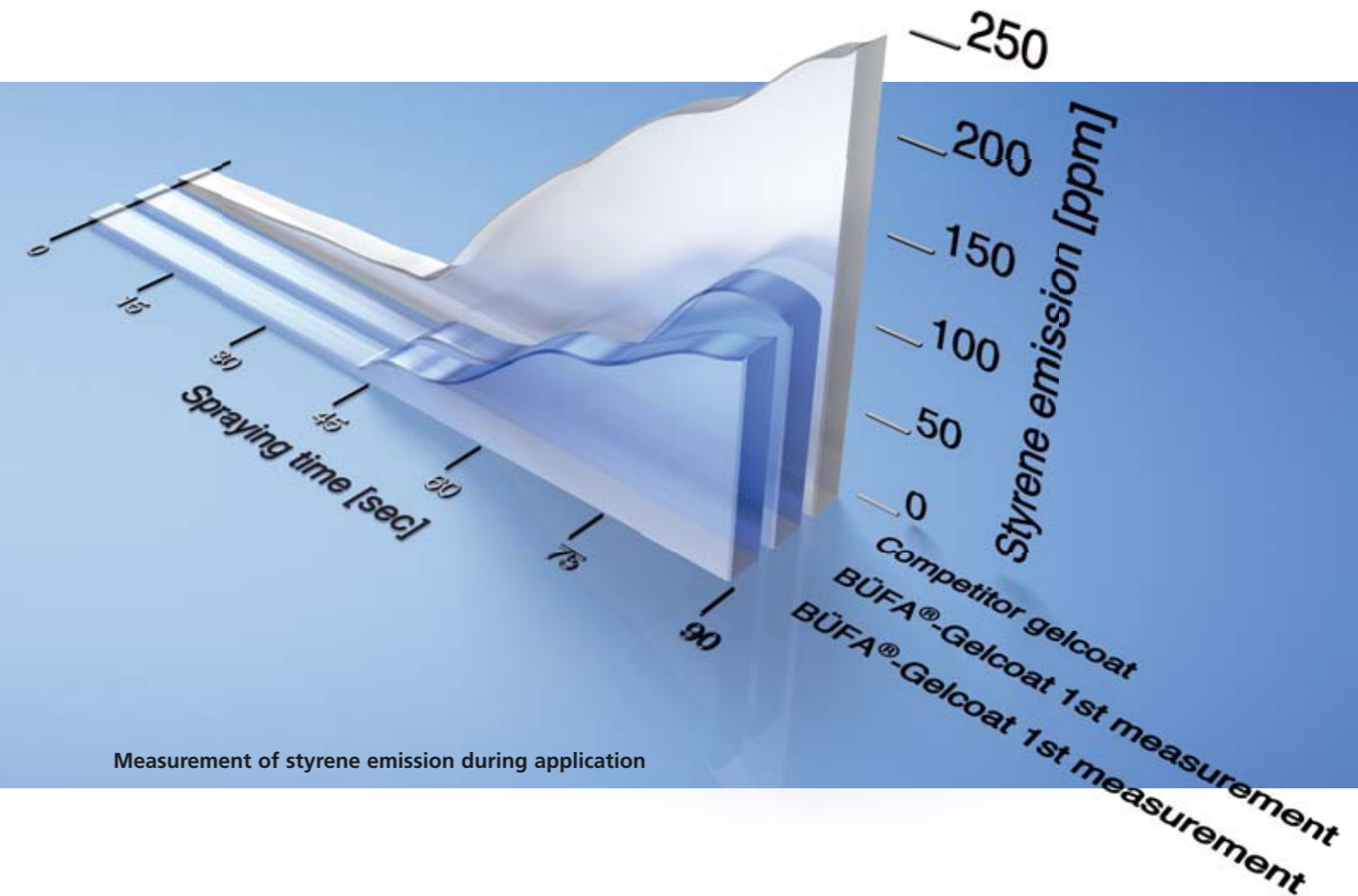
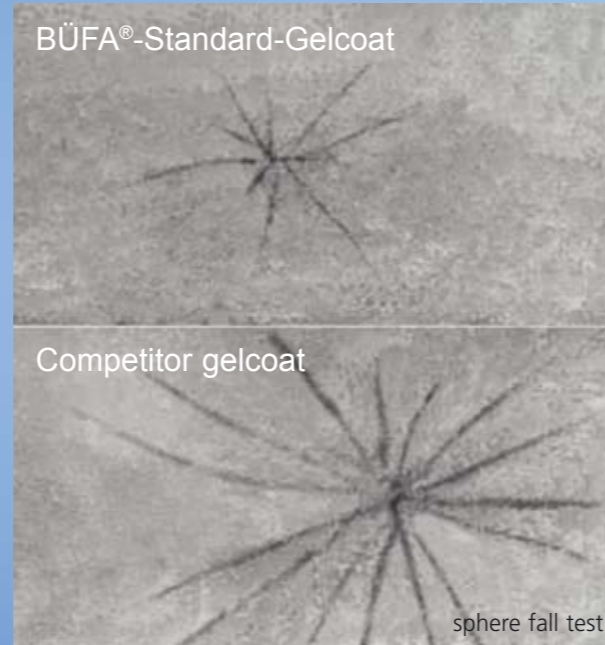
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BÜFA®-Standard-Gelcoats and -Topcoats



Gelcoats

With this line of products, BÜFA Gelcoat Plus sets new standards in the „performance gelcoat“ range for the GRP industry. A low styrene resin formulation modified with isophthalic acid is the basis of all BÜFA®-Standard-Gelcoats and -Topcoats.



Measurement of styrene emission during application

Advantages of BÜFA®-Gelcoats and -Topcoats

- This line of products convinces through significantly low emission of styrene and because of its good working properties. Gelcoat surfaces produced with BÜFA®-Standard-Gelcoat are also convincing in their product class because of their excellent weathering stability.
- A flexibilised formulation of the material guarantees high impact resistance which results in less tendency of the gelcoat surfaces to crack, particularly in the case of large components (e.g. machine housing for wind power plants).
- For sealing the back sides of laminates, pre-accelerated BÜFA®-Standard-Topcoats in the same colour and quality are available. All of the topcoats are formulated with special paraffin to ensure tack-free curing at working temperatures up to max. 35 °C.
- BÜFA®-Standard-Gelcoats and -Topcoats are available ready to use in the colours light grey (RAL 7035), pure white (RAL 9010) and agate grey (RAL 7038).
- A ready to use base formulation that can be individually tinted through tinting technology is also available.

What distinguishes the BÜFA®-Standard-Gelcoat line of products?

- saves time, materials and working steps
- pre-accelerated
- GL approvals
- good weathering properties
- low emission of styrene
- excellent mechanical properties

BÜFA®-Standard-Gelcoats and -Topcoats

Product name	BÜFA®-Standard-Gelcoat S	BÜFA®-Standard-Gelcoat H	BÜFA®-Standard-Topcoat S	BÜFA®-Standard-Topcoat H
Product group	764-xxxx	765-xxxx	766-xxxx	767-xxxx
Application method	spraying quality	brushing quality	spraying quality	brushing and rolling quality
Resin base	ortho/ISO	ortho/ISO	ortho/ISO	ortho/ISO
Pigmentation	natural/coloured	natural/coloured	natural/coloured	natural/coloured
Viscosity (mPas) – spindle/pm	14000-17000 – 4/4	30000-38000 – 4/4	12000-15000 – 4/4	30000-38000 – 4/4
Styrene content (%)	25-28	25-28	25-28	24-28
Peroxide	Butanox M-50	Butanox M-50	Butanox M-50	Butanox M-50
Gel time (min)	8-13	15-20	8-13	15-20
Tensile strength (MPa) base resin	45-52	45-52	45-52	45-52
Tensile E-modulus (MPa) base resin	2800-3200	2800-3200	2800-3200	2800-3200
Elongation at break (%)	6-7	6-7	6-7	6-7
Heat resistance (°C)	approx. +80 °C	approx. +80 °C	approx. +80 °C	approx. +80 °C