



BÜFA

New chemistry.

The Pool Construction System for Highest Surface Quality

**Gelcoats, Topcoats & Barriercoats
BÜFA®-Swim-NPG**

Composites





BÜFA®-Swim-NPG Gelcoats and Topcoats

If you want your swimming pool to become an oasis of well-being, then GFK pools offer you unlimited design possibilities. All the customer wishes for relaxation, vitality, individuality or also even for the optimal surface quality and durability are fulfilled to perfection with the BÜFA®-Swim-NPG gelcoats and topcoats and the corresponding resins and reinforcing materials.

BÜFA delivers a comprehensive portfolio of products connected with pool construction globally and can offer you a wide selection of individual products and services.

Product Advantages:

- Guaranteed qualities: Based on ISO/NPG
- Outstanding resistance to hydrolysis, chlorine and osmosis
- High resistance to UV and weathering (colour stability)
- Individual colouring according to the AVK Chlortest method, tested and authorized (colour stability is guaranteed)
- BÜFA®-Swim-NPG Gelcoat, combined with a special laminate structure, allows for long-term use at raised water temperatures (up to 35 °C)
- Coordinating BÜFA Tec machine technology, e.g. in the form of gelcoat units, metering devices and hand metering pumps for optimal processability

Please contact us, we will be pleased to advise you.

Swimming Pool Applications

Product name	BÜFA®-Swim-NPG-Gelcoat-S	BÜFA®-Swim-NPG-Gelcoat-H	BÜFA®-Swim-NPG-Topcoat-S	BÜFA®-Swim-NPG-Topcoat-H
Art. No	752-colour no.	753-colour no.	762-colour no.	763-colour no.
Application	spraying quality	brushing quality	spraying quality	brushing quality
Resin base	IP/NPG	IP/NPG	IP/NPG	IP/NPG
Pigmentation	limited	limited	limited	limited
Viscosity [mPa.s] – Spindle /rpm	18.000 - 4/4	23.000 – 4/4	18.000 – 4/4	22.000 – 4/4
Peroxide / accelerator	2 % MEKP medium reactive, pre-accelerated	2 % MEKP medium reactive, pre-accelerated	2 % MEKP medium reactive, pre-accelerated	2 % MEKP medium reactive, pre-accelerated
Gel time [min]	12	14	14	14
Tmax [°C] (base resin values)	165	165	165	165
Tensile strength [MPa] (base resin values)	85	85	85	85
Tensile E-modulus [MPa] (base resin values)	3.720	3.720	3.720	3.720
Elongation at break [%] (base resin values)	3,5	3,5	3,5	3,5
HDT [°C] (base resin values)	95	95	95	95
Range of use / comments	Gelcoat for swimming pools, colours especially tested according to the AVK chlorine test *4	Gelcoat for swimming pools, colours especially tested according to the AVK chlorine test *4	Topcoat for swimming pools, colours especially tested according to the AVK chlorine test *4	Topcoat for swimming pools, colours especially tested according to the AVK chlorine test *4

Abbreviations for base resins: BPA = bisphenol A, VE = vinyl ester, VEU = vinyl ester urethane, OP = orthophthalic acid, IP = isophthalic acid, NPG = neopentyl glycol.

Comments: *4 - Industrievereinigung Verstärkte Kunststoffe e. V [industrial association for reinforced plastics]. Appendix 2 to the manufacturer's guidelines for GFK pools, Section 6.1.

The data given above is approximate information without warranty. The latest, detailed information is found in the respectively valid Technical Information Sheet and/or the corresponding EU Safety Data Sheet which should also be observed.



Swimming Pool Production Individual and Completely Care Free

The company Europool based in Poland (Mogilno) produces GFK swimming pools and offers an all-round service to customers throughout Europe, from manufacturing the pool to assembly, installation, accessories and fast customer service.

Their pool production includes different versions. From garden pools which have been available for purchased in DIY stores since early 2018, all the way to customized, more labour-intensive luxury solutions.

Europool and BÜFA have a long term business relationship. The company uses BÜFA®-Swim-NPG-Gelcoat in a variety of colours for the highest finish quality of the pool. These gelcoats are processed in using the spray-application technology. Furthermore, Europool uses BÜFA®-Resin VE in the hand lay-up and spray lay-up processes.

“For many years now, we have been relying on the use of BÜFA products to allow us to offer our customers professional products with superlative man-

ufacturing quality. The high quality standards of the BÜFA processing materials as well as intensive onsite support are a guarantee for good collaboration”, says Krzysztof Rakowski (director of Europool) “Besides, pools made of fibreglass-reinforced plastics, whose production and assembly is much less time-consuming and expensive than reinforced concrete swimming pools are readily customized with excellent results.”

BÜFA delivers a comprehensive portfolio of products connected with pool construction globally and can offer you a wide selection of individual production possibilities. Also, as a system supplier, BÜFA also supplies the matching adhesive resins and appropriate machine technology for optimal processability.”

Please contact us, we will be pleased to advise you.

The Pool Construction System for Highest Surface Quality

The build-up for optimal surface:

1. Gelcoat:

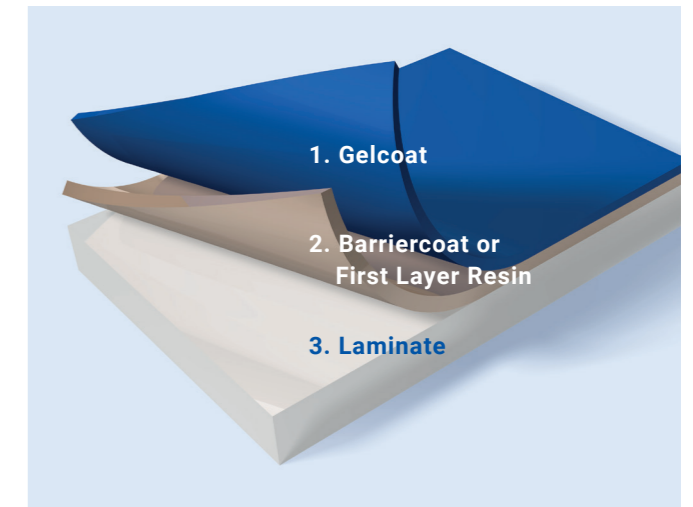
BÜFA®-Swim-NPG (Art.-No. 752-colour) with superlative osmosis resistance.
Recommended processing temperature: maximum 35 °C.

2. Barriercoat or first layer resin:

- Barriercoat
BÜFA®-VE-Barriercoat-SV, beige, spray quality (Art.-No. 722-1966).
Used as an additional gelcoat layer, BÜFA®-Barriercoat - based on vinyl ester resin - improves the surface quality and resistance to osmosis
- Laminate First Layer Resin
BÜFA®-Resin VE 0910 (Art.-No. 700-0910), pre-accelerated, thixotropic resin with standard MEKP curing.

3. Completion of laminate:

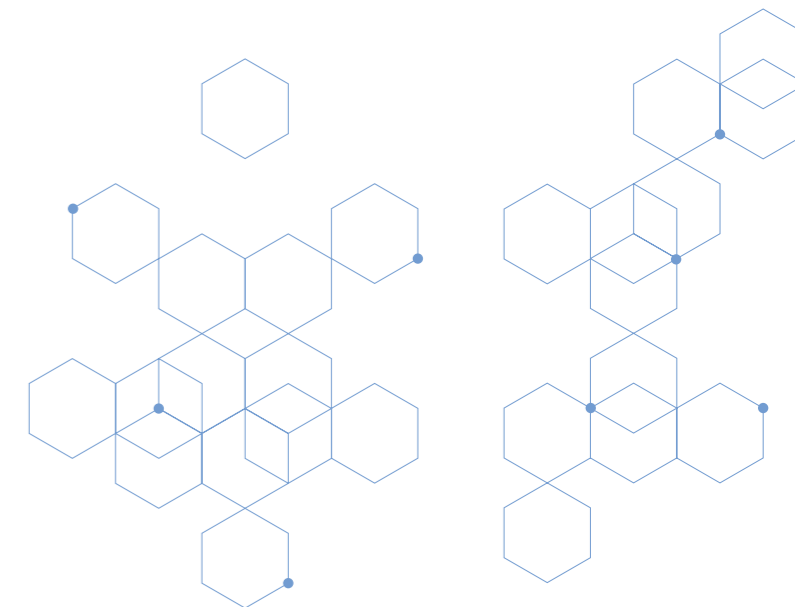
SYNOLITE 8388-P-1 (Art.-No. 770-8388) for build-up and completion of the laminate behind the “First Layer Resin”.



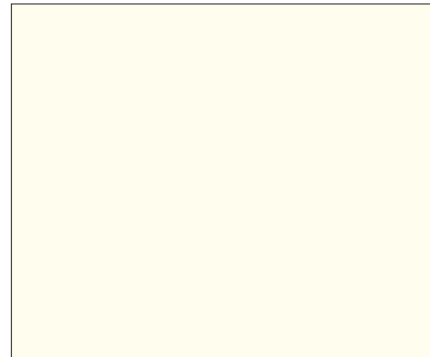
For an optimum surface quality and better Osmosis behavior, we recommend the application of a Barriercoat or a First Layer Resin between gelcoat and the laminate. BÜFA®-Barriercoat is suitable for applications such as swimming pools, boat building, vehicle parts and GFK moulds.

Take advantage of the improved surface quality which can be achieved with BÜFA®-Barriercoat:

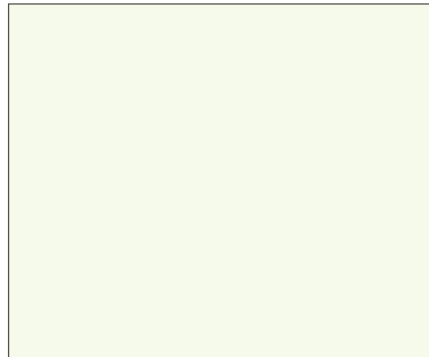
- Improvement in surface quality
- Excellent mechanical properties
- Low-shrinkage curing performance
- No fibre print
- High osmosis resistance
- Time-saving due to replacing the first laminate layer
- Hand or spray processing



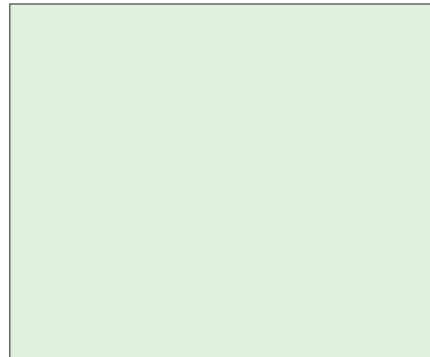
BÜFA®-Swim-NPG Gelcoat Standard Colour Palette



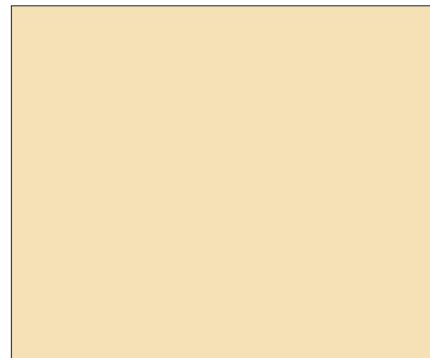
752-9774
BÜFA®-Swim-NPG-Gelcoat-S
white



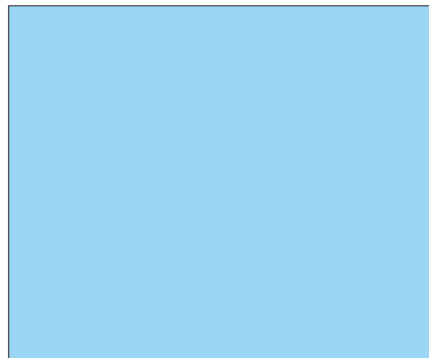
752-9245
BÜFA®-Swim-NPG-Gelcoat-S
white



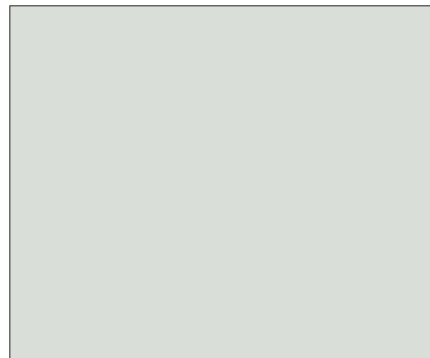
752-6349
BÜFA®-Swim-NPG-Gelcoat-S
limegreen



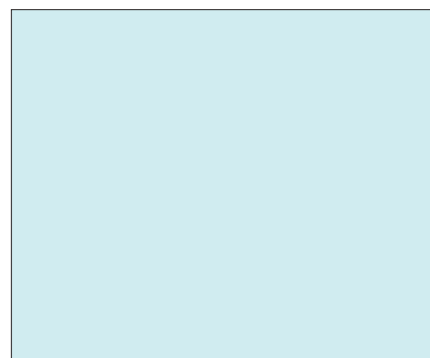
752-1309
BÜFA®-Swim-NPG-Gelcoat-S
beige



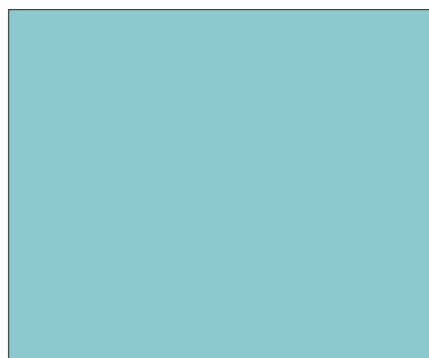
752-5826
BÜFA®-Swim-NPG-Gelcoat-S
blue



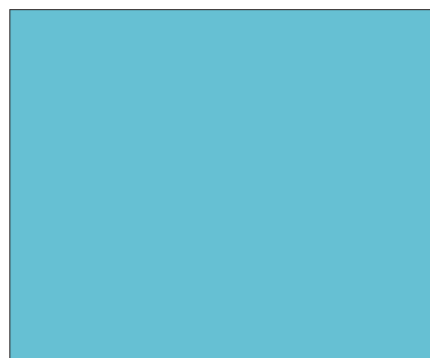
752-9797
BÜFA®-Swim-NPG-Gelcoat-S
papyrus white



752-5484
BÜFA®-Swim-NPG-Gelcoat-S
blue



752-5494
BÜFA®-Swim-NPG-Gelcoat-S
pool blue



752-5841
BÜFA®-Swim-NPG-Gelcoat-S
light blue

Individual colours can be prepared according to customer requirement. For example:



black



green



yellow



red



clear



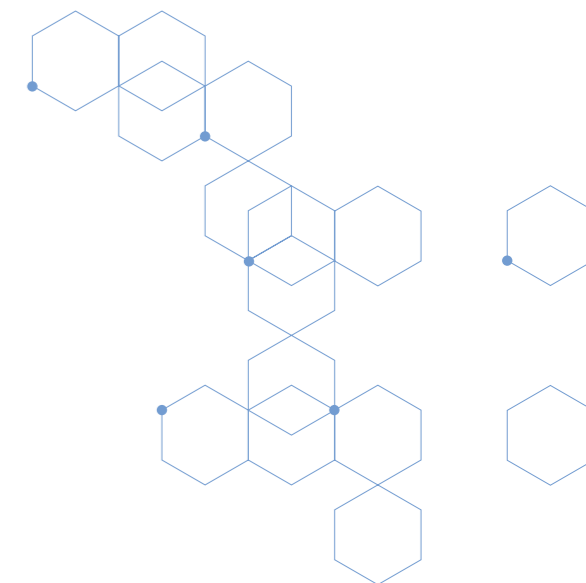
TRICURA - Your Partner for Swimming Pool Technology and Pool Care Product

Whether it is pump technology, dosing technology for calcium hypochlorite, chlorine gas or liquid chemicals, measuring and control technology or swimming pool sanitation you need – TRICURA is your competent and reliable partner for all. A well-kept and hygienic swimming pool depends not only on impeccably adjusted swimming pool technology, but also on correct water maintenance. From water disinfection to cleaning, TRICURA offers you a broad range with nationwide, punctual delivery.

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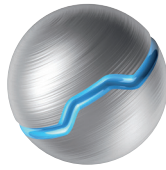
The Complete Range for the User of Composite Materials



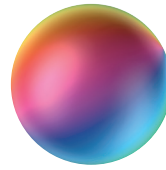
UP- & VE-Resins,
Epoxy Resin Systems



Gelcoats & Topcoats



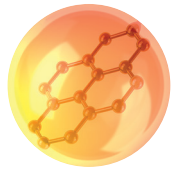
Bonding Pastes



Pigment Pastes



Sustainable Products



Conductive Products



Initiators



Release Agents,
Additives
& Ancillaries



Reinforcements,
Core & Non-woven
Materials



Fire Retardant
Systems



Tooling Systems



Foaming Resin
Systems



BÜFA Tec
Machine Technology

BÜFA

New chemistry.

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