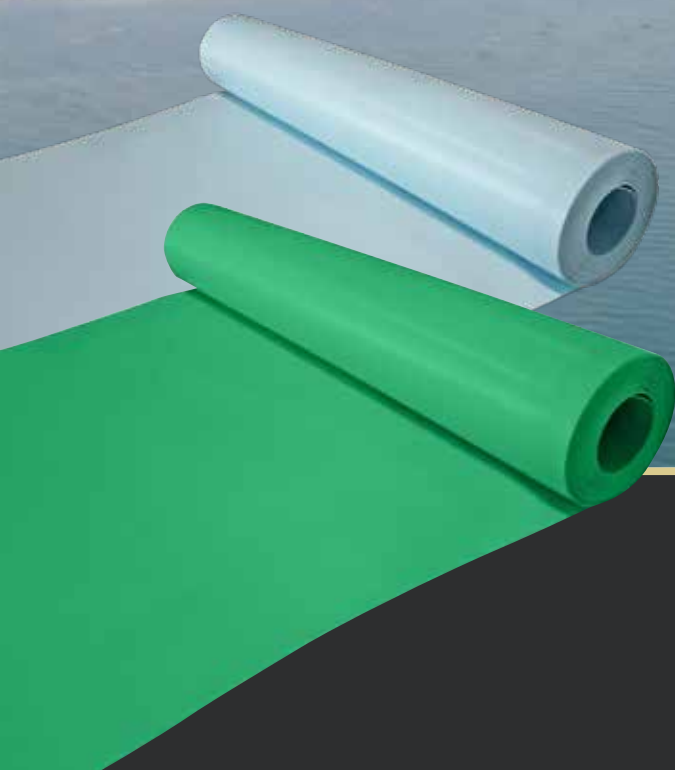


AGRUFLEX & RELAX

POND AND
POOL LINERS





The Plastics Experts.

Decades of experience in manufacturing geomembranes for landfills, tunnels and hydraulic structures have enabled AGRU to develop high-quality, innovative pool and swimming pond liners. These plasticiser-free liners made of PE-VLD, FPP and TPO are the perfect solution for your swimming dreams. One primary advantage of AGRU pool and pond liners is their long life span. We achieve this through high UV stabilisation of plasticiser-free geomembranes that are easy to handle and that stay permanently flexible. AGRU geomembranes are physiologically safe and environmentally friendly. Compared to PVC, no poisonous gases are released during the welding of the material. The surface of the RELAX pool liner is easy to clean. The material is resistant to conventional water treatment methods and guarantees long-lasting enjoyment of the pool.

The AGRU success story has been unfolding now for around seven decades. Founded back in 1948 by Alois Gruber senior, nowadays the company is one of the world's major single-source suppliers for piping systems, semi-finished products, concrete protection liners and lining systems made from engineering plastics. Our ability to supply everything from a single source sets us apart. We use only top-grade thermoplastic polymers as our raw materials. When it comes to application-technical consulting, we are your best partner in the field.

Quality

AGRU has been producing geomembranes for over 30 years. The procedure uses a fishtail nozzle spreader followed by a calendar roller. State-of-the-art machines, developed especially for AGRU, are used. Our employees' attention to quality is an important part of these high-quality products. Ongoing advancement of manufacturing technologies ensures a quality advantage. Furthermore, only specially selected, high-quality raw materials are utilised.



ISO 9001 Certificate



ISO 14001 Certificate

AGRU has had a certified quality management system in accordance with ISO 9001 for many years, and in accordance with ISO 14001 also since 2015. Ongoing inspections during production as well as detailed laboratory tests of every batch ensure the consistently high quality of RELAX swimming pool liners and AGRUFLEX pond liners.

The economic solution for pools and ponds

When planning a pond or pool, three things in particular are important: Efficiency, long life span and easy cleaning. AGRUFLEX & RELAX pond and pool geomembranes satisfy all of these requirements. Whether you yourself swim in the pool or you would like to create a pond for generations - the flexible, chemically and mechanically resistant plastic geomembranes are affordable, plasticizer-free, and neutral in water, making it the better choice in many cases.

Plastics for generations

High-grade AGRUFLEX & RELAX geomembranes are

- made of durable, UV-stable materials
- scratch-resistant and flexible sealants
- resistant to root growth and rodents over the long term

Wonderfully hygienic

thanks to an easy-to-clean surface

Geomembranes made of thermoplastic polyolefins

- provide chemical resistance to chlorine and silver ions
- are easy to clean due to the smooth and anti-slip surface
- set highlights with different colours

Environmentally friendly

TPO, PE and FPP are plasticiser-free

AGRU pond and pool liners are

- ideal for people and animals
- physiologically safe
- free from diffusing plasticisers

Cost-efficient

A pool with RELAX is more cost-efficient than one made from stainless steel

Plastic has the following advantages compared to steel

- the material price is significantly lower
- the hot air sealing installation is more cost-efficient
- the material adapts to the subsurface

Ecologically sustainable

in production, installation and operation

AGRU geomembranes meet the highest ecological standards

- and their production is certified in accordance with ISO 9001 and 14001
- because no poison gases or plasticisers are emitted during the welding
- because of their exceptionally high life expectancy



RELAX pool liners for decades of swimming pleasure



High-tech TPO plastic

The material advantages that plastic is known to have, such as high resilience, flexibility and high breaking strain, are especially unbeatable in swimming pool construction. The AGRU RELAX pool liner has all of these advantages because it consists of thermoplastic polyolefins (TPO). Thanks to excellent welding properties, adaptability and low weight, installation is easy, safe and quick.



Welding

Installation is essential for the long-lasting seal of swimming pools and swimming ponds. The following welding methods are used:

- Hot air welding
- Extrusion welding

In order to ensure professional installation of the geomembranes, AGRU offers welding training with experienced and certified welders. Our trained personnel is happy to advise you on any questions regarding your project.

RELAX pool liners

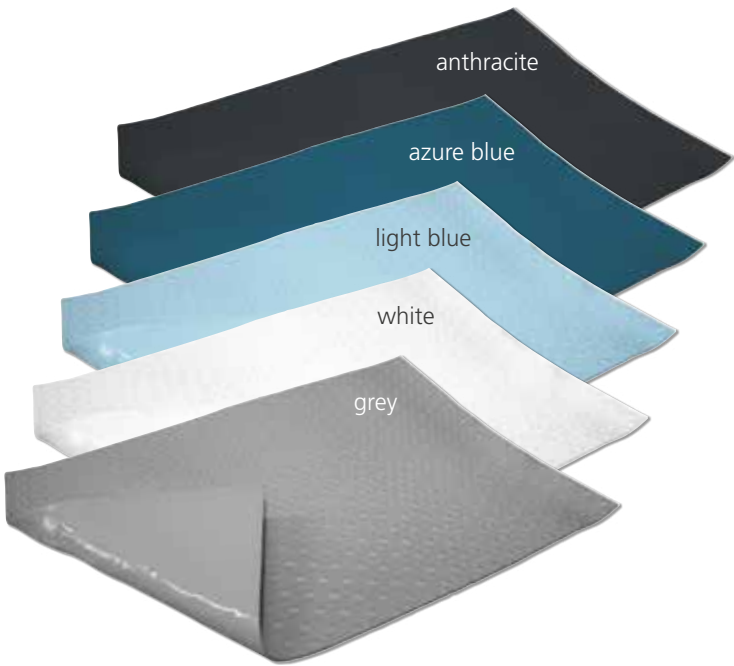
The visually appealing pool liner made of TPO (thermoplastic polyolefin) with a PE basis is physiologically safe, environmentally friendly, plasticiser-free and recyclable. Compared to PVC, no gases that are hazardous to health are released during the welding of the material. A particular advantage is the high life expectancy of RELAX pool liners, which is achieved thanks to a special UV-stable compound.

Due to this (compound), the material retains its original flexibility over the entire usage period. The TPO pool liner is outfitted with glass fleece on the inside, which has a stabilising effect and increases resistance against mechanical strain.

The surface of the RELAX pool liner is easy to clean. The material is resistant to conventional water treatment methods and guarantees long-lasting enjoyment of your pool.

RELAX colour spectrum

The look plays an important role for any pool. The colour of the lining gives the water its final colour. That's why AGRU offers the RELAX pool liners in azure blue, light blue, white, grey and anthracite. For pool landscapes with an attractive look that lasts.



RELAX PRODUCT PORTFOLIO			
Material	TPO		
Surface	Anti-slip		Smooth
Reinforced	Homogeneous	Glass fleece reinforced	Glass fleece reinforced
Thickness	1.5 mm	1.8 mm	1.5 mm
Roll dimensions	0.6 m x 25 m	2 m x 25 m	2 m x 25 m

Swimming pool construction with light blue RELAX pool liner. Kleefeld, Hanover.





AGRUFLEX pond liners



Installed faster

AGRUFLEX is delivered in black VLDPE and FPP and also as 5 m wide rolled products. This way, large public projects can be installed faster. Individual colour wishes can also be taken into consideration with the corresponding minimum purchase quantity. Your own swimming pond can also often be lined with just a few welded seams. The same methods are used for welding as those used for the RELAX pool liner:

- Heat welding
- Hot air welding
- Extrusion welding



Environmentally friendly

AGRUFLEX pond liners made of VLDPE and FPP meet the highest standards for ecological sustainability and are free from plasticisers. The production, certified in accordance with the international environment management norm ISO 14001, the physiologically safe installation and the decade-long life expectancy ensure a balanced ecological footprint.



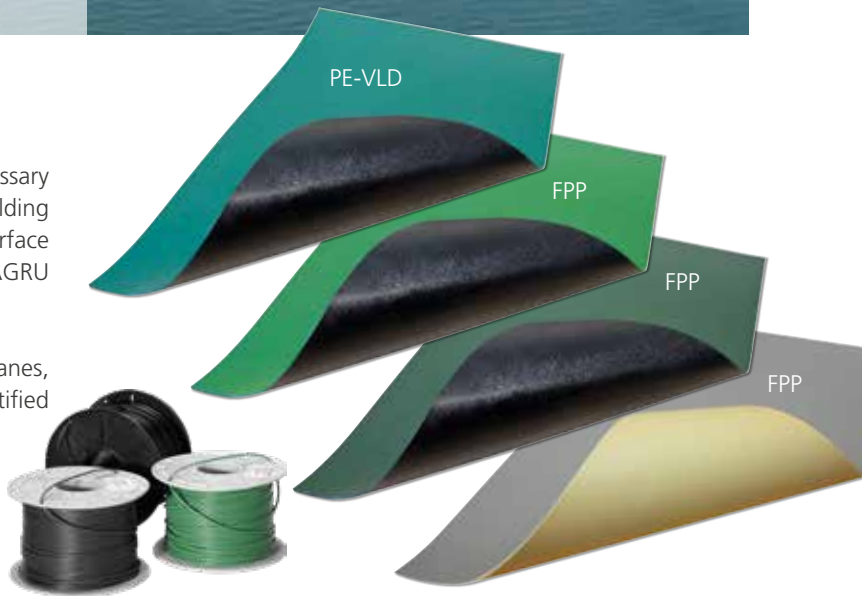
Purely nature

A spacious swimming pond landscape creates an exclusive wellness experience at one of the most beautiful lifestyle resorts in Europe, Geinberg 5. Geomembranes made from FPP were used for this. They have a lower thermal expansion coefficient than materials that are PE-based and exhibit a higher resistance to stress crack formation. Due to these properties, these geomembranes are especially suited for sealing swimming pools and ponds.

Accessories

As a full-service provider, AGRU also provides the necessary accessories for installation, such as composite sheets, welding rod, drainage pipe, homogeneous liners with an anti-slip surface in FPP or VLDPE with a width of 2.0 m, AGRU Clean and AGRU Intensive Cleaner.

In order to ensure professional installation of the geomembranes, we also offer welding training with experienced and certified welders.



RELAX PRODUCT PORTFOLIO						
Material	VLDPE		FPP			
Colour	Black/black	Turquoise Black	Black/black	Emerald green/black	Chrome oxide green/black	Grey/beige
Thickness	1.5 mm	1.5 mm	1.5 mm	1.5 mm	1.5 mm	1.2 mm
Roll dimensions	5 m x 100 m	2 m x 25 m	5 m x 100 m	2 m x 25 m	2 m x 25 m	2 m x 25 m
Reinforced	Homogeneous	Homogeneous	Homogeneous	Glass fleece reinforced	Glass fleece reinforced	Glass fleece reinforced



The Plastics Experts.

Your distributor

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