

Datasheet

Gauris PVC-P UV

1.5 - 1.8 - 2.0 mm

About GAURIS

Gauris is all about liners. We think about liners. We live liners. We make everything watertight using liners. And we do that very well. The proof? We receive requests from across the world. It is usually custom work, as no two contracts are the same. Whether it is a swimming pond, water tank, waste heap, roof construction, or a swimming pool – no two projects are the same. They always involve bespoke work and demanding requirements. For the composition of the liner. For the strength.

For the shape. For the use and the required lifespan. For the appearance. For the colour. And for the way in which the liners are 'welded' to each other. After all, a liner is much more than just plastic on a roll. Much more.

Certified Quality

Besides various Certificates as KIWA, we are committed to quality and continuous improvement.

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Description

Flexible synthetic membrane in plasticised vinyl chloride (PVC-P), obtained through a co-extrusion process. Suitable for waterproofing of tanks, channels and basins. High resistance to the attack of micro-organism present in soil, mechanical resistance. Resistance to low temperatures. Resistance to atmospheric agents and UV rays.

System certifications

QMS (Quality Management System) certified according to ISO 9001

Product certifications

Harmonized standard EN13361-13362.

Application fields

Specific use

- Basins
- Channels
- Storage tanks
- Fish farming tanks

Application

The Gauris PVC-P UV membranes, are laid dry, in total or semi independence by welding on the fastening PVC discs. The overlaps between the sheets, are welded with the use of automatic or manual hot air welding machines (wedge / high frequencies)

TECHNICAL FEATURES						
Features	EN standards	U.M.	Tolerance	Value		
Thickness	EN 1849-2	mm	(-5/+10%)	1,5	1,8	2,0
Mass per unit area	EN 1849-2	kg/m ²	(-5/+10 %)	2,0	2,4	2,7
Cold flexibility	EN 495-5	°C	≤	-25°C		
Tensile strength L/T	EN 12311-2	N/mm ²	± 2	17		
Elongation at Break	EN 12311-2	%	± 10	300		
Water pressure (24 h at 1 MPa)	EN 1928	-	-	No Leaks		
Resistance to impact	EN 12691	mm	≥	750	800	1000
Resistance to static loading	EN 12730	kg	≥ ±	20	20	20
	EN 12236	kN	0,25	2,5	2,8	3,0
Microbiological resistance	EN 12225	-	-	Compliant		
Root resistance	UNI CEN/TS 14416	-	-	No Perforation		
Durability						
- Resistance to artificial UV light	EN 12224 (5000 h)			No surface cracks or significant variations of mechanical features		
Resistance to oxidation	EN 14575	-	-	Pass		

STANDARD PRODUCTION				
Thickness*	mm	1,5	1,8	2,0
Width	m	2,1	2,1	2,1
Length*	m	25	20	20
Colours		Black (100) + Sand Black (50/50, one side is Sand other side is Black)		

*Different thicknesses and lengths are available on demand and for a minimum quantity

