

Swimming pool reinforced membrane

TECHNICAL DATA SHEET

Description

AQUACOLOR is a watertightness decorative **UNICOLOR** surface for swimming pools. It is formed by 2 flexible sheets made of plasticized polyvinyl chloride (PVC-P) join together with an inner polyester fabric. This polyester fabric provides dimensional stability and high resistance to punctures or tears as well as elasticity and flexibility. It is applicable for domestic and commercial swimming pools, for new construction and renovation of any size and any shape.

Advantages

AQUACOLOR patented formula has been designed to optimize the welding process. It is odorless and produces extremely low fumes during installation. It is safe in compliance with European standards **REACH** (protection of human health and environment) and **EN 71/3** (protection of children against hazardous chemicals). **We offer a 15-year warranty on watertightness and a 3-year warranty on stains.**

Properties

AQUACOLOR patented formula is strongly stabilized against UV and has an excellent weathering. It facilitates the maintenance operations and increase the lifespan of the pool surface thanks to its multilayer **surface varnish protection**. It is equipped against the growth of fungi and micro organisms. It is compatible with the proper chemicals used for the water treatment in swimming pools.

Patterns

White / Sand / Pale Blue / Adriatic Blue / Nordic Blue / Caribbean Green / Grey / Anthracite.

Standard sizes

AQUACOLOR is a 1,50mm thick reinforced membrane. It comes in rolls 1,65m x 25m and 2,05m x 25m.



KIDS FRIENDLY
EN 71-3
CERTIFICATE



HEALTH & NATURE
REACH CERTIFICATE



15
YEARS
WATERTIGHTNESS
WARRANTY



3
YEARS
STAIN
WARRANTY

GENERAL PROPERTIES	UNIT	METHOD	TYPICAL VALUE
Surface mass	g/m ²	EN ISO 1849-2	1850 +/- 5%
Water Absorbtion	% (Weight)	EN ISO 62 Method 1	≤ 1
CaCO ₃ Ratio	% (Weight)	EN 15836-2 Annex A	≤ 3
Available Width	mm		1650, 2050
PHYSICAL PROPERTIES	UNIT	METHOD	TYPICAL VALUE
Thickness Over Emboss	mm	EN 1849-2	1,5 +/-5%
Elongation at Break	%	EN 12311-2 Method A	15 ≤ E ≤ 30
Tensile strenght at Break	N/50mm	EN 12311-2 Method A	≥ 1100
Peel Resistance	N/50mm	EN 12316-2	≥ 80
Tear Strenght	N	EN 12310-2	≥ 180
Dimentional stability	%	EN 1107-2	≤ 0,5
Foldability at low temperature	°C	EN 495-5	-25
Welding peel resistance	N/50mm	EN 12316-2	≥ 80
REINFORCEMENT (100 % PES)			
Construction (warp, weft)	thr/cm		2,8
Weight	g/m ²		93
Fabric	Tex		110
DURABILITY	UNIT	METHOD	TYPICAL VALUE
Artificial ageing (6000h)	Grey scale	EN ISO 4892-2:2006 Method A, cycle 1 EN 20105-A02	≥ 3
Microorganism resistance	% (Weight loss)	EN ISO 846:1997 Method D	≤ 1
Bacterium Resistance (Streptovorticilium reticulum)		EN ISO 846:1997 Method C Souche : ATCC 25607	No Staining
Chlorine Resistance	Grey Scale	EN 15836-2 Annex C	≥ 3
Staining Agent Resistance	Degree	EN 15836-2 Annex D	≥ 4
Abrasion rtesistance		EN ISO 5470-1	Pass
Temperature resistance	°C	EN 15836-2	≤ 35

PROCESSING	
Welding Equipment	Follow instructions of the manufacturer to optimize the welding process.
Installation process	Follow instructions of our CGT ALKOR Installation Manual.
STORAGE & HANDLING	
Storage	The rolls must be stored in a horizontal position between + 5 °C and + 35 °C protected against solar radiation, rain, snow, ice and other climatic influences. Product should also be protected on the job site against direct influence of the weather.
Handling	Use appropriate and safe handling means to lift the rolls. Do not drag the rolls on the ground.



**SURFACE
PROTECTION**



**MAX. WATER
TEMPERATURE**



**HIGHER CLASS
PRODUCTION**



**LOW FUME
EMISSION**