

Aqua-Fix PRO (white, transparent, blue, beige, grey, black)

Functionality

Neutral, single-component, MS polymer-based mastic for gluing, jointing and plugging leaks indoors, outdoors and even underwater. Specifically designed for swimming pools, spas and balneotherapy facilities. Generally suitable for all fields where excellent underwater strength is required. It has high initial adhesion often making shoring unnecessary.

- Creation of waterproof seals (skimmers, projectors, nozzles, rims, conservatories, covers, etc.).
- Gluing of rims, parts to be sealed and polyester shell components (steps, ladders, filtration systems).
- Creation of floor joints around the swimming pool.
- Gluing of thick polyolefin foams (material inserted between the sides and the liner in swimming pools).
- Fixing of tiles, mosaics, borders and other decorative elements.
- Repair of leaks in rigid structures and liners (with or without patches).



Given the wide variety of liners on the market, carry out a test first. For application on liners, the use of **pool fermit repair set for pool liner** is best however. Although best results are achieved with drying in the air, the mastic can be used on wet surfaces and even directly underwater.

Technical characteristics

Specifications	Characteristics	
Colour (RAL for information)	White, beige (RAL 1001), light blue (RAL Design 220.80.10) grey (RAL 7004) and black	transparent
Appearance	Thixotropic paste (does not run)	
Type of mastic	Neutral MS polymer-based elastomer mastic-glye, solvent and isocyanate-free	
Odour	None	
Skin-formation time*	5 min	8 min
Cross-linking speed*	2.5 to 3 mm the first 24 h	
Application temperature	From +5 °C to +40 °C	

Technical data sheet

On cross-linked seal

Specifications	Characteristics	
Colour (RAL for information)	Colour (RAL for information) White, beige (RAL 1001), light blue (RAL Design 220.80.10) and grey (RAL 7004)	Clear, transparent
Shore A hardness*	60	35
Modulus of rupture (DIN 53504)*	3.1 MPa	1.8 MPa
Elongation at break (DIN 53504)*	204 %	200 %
Service temperature	- 40 °C to + 90 °C (freeze resistant)	- 40 °C to + 90 °C (freeze resistant)
Resistance	Excellent resistance to treated swimming pool water Excellent ageing , bad weather and UV resistance	
Adhesion	Excellent on the majority of standard building and swimming pool materials: polyester, synthetic materials, resin, PVC, concrete, wood, natural stone, plastic, ceramic, enamel, steel, stainless steel, aluminium, brass, plexiglass, porcelaine, laminate, polystyrene. Do not apply to PE, PP, PA, PTFE or asphalt.	
Paintability	Can be painted with most water or solvent-based paints. Comment: On a seal subject to considerable movement, the paint can only crack off through lack of sufficient elasticity	

* All of this information is given for 23°C and 55% of relative humidity. According to the cross-linking conditions, these values may therefore vary.

Use

Preparation

Surfaces should be clean and grease-free (depending on the surfaces with alcohol or ethanol, for example).
For underwater applications, remove any scale or algae from the surfaces.

Instructions of use

Sealing procedure:

- For joints that are too deep, reduce the depth with cell foam.
- Cut the end of the nozzle to a diameter slightly smaller than that of the joint.
- Create maximum contact between the mastic and the lips of the joint by applying pressure to the surface of the strip.
- Smooth within 5 minutes of application.

Gluing procedure:

- For plastic surfaces, it is best to remove any "shine" from the surface to be glued using gentle abrasion
- With pool fermit ABRASIVE PAPER.
- Apply the product in straight strips or in dots, covering the whole surface to be glued, making sure that it is not too thick. On flat surfaces, strips of 2 mm diameter are adequate (nozzle not cut off).
- Position the object to be attached, pressing hard. In most cases, shoring is not necessary.

Technical data sheet



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Underwater:

- For joint or plugging leaks, smooth immediately.
- For gluing, if possible, coat the surfaces to be glued out of the water and attach them by pressing hard under water.

Consumption

Depending on the dimensions of the joint and the application, a 290 ml cartridge covers approximately a joint length (expressed in meters):

Depth in mm	Length in mm					
	6	8	10	12	14	16
5	9.3	9.0	5.6	4.6	4.0	3.5
6	-	7.8	4.6	3.8	3.3	2.9
7	-	-	4.0	3.3	2.8	2.5
8	-	-	-	-	2.5	2.1

Material cleaning

Fresh, unhardened excess mastic can be removed with a solvent such as acetone. Underwater, just use a cloth.

Safety precautions

The Material Safety Data Sheet is available under www.fermit.com

Storage

Store at a temperature of between + 5°C and + 30°C. The expiry date on the packaging is for unopened product, store at 20°C in normal hygrometry conditions.

Comments

Non-corrosive to metals. Underwater, colour may vary.

The information contained on the technical datasheet is provided in all good faith and results from measurements made in our laboratory. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use. This document may be amended in keeping with product development and the state of our knowledge without prior notice and therefore it is recommended to check that you have the latest version before use. The safety data sheet is available online at www.fermit.com