

**CHEMICAL + TECHNICAL
HIGH TECH PRODUCTS
FOR
INDUSTRY & CRAFTSMAN**

UNDERWATER MAGIC™



● Adhere ● Seal ● Repair

UNDERWATER MAGIC™

1) ADHESIVE & SEALANT

2) Mosaic

3) Putty



UNDERWATER MAGIC™

Our range of products for any repair
in and around
swimming pools and spa areas



UNDERWATER MAGIC™

adhesive & sealant is a one component, elastic remaining extremely powerful sealant and adhesive based on MS polymer. Designed for a wide variety of tasks, for indoor and outdoor swimming pools, enabling you to fix leaking swimming pools under water.

- Solvent free
- 100 % Silicone Free
- Free of Isocyanate
- Suitable for direct underwater use
- Excellent adhesion to most dry or damp surfaces.



Features:

Extremely strong adhesion to most surfaces and extremely strong adhesion as a seam or joint sealing .

Bonding and sealing of metal, concrete , glass, stone , plaster, masonry, natural stone, wood, polyester , fiberglass, PVC, Plexiglas, etc.

- Weather, UV - resistant, Sea water & Chlorine water resistant
- Suitable for underwater use
- Temperature resistant from -40 ° C to +90 ° C
- Paintable with most commercially available paints , immediately " wet on wet ".
- Glued sheets can be spot welded .
- Instant rainproof
- Extremely good adhesion.
- Elongation at break according to DIN 53504 = 400 %
- Stable joints in accordance with DIN EN 27390 = 40 mm width

Application:

- Underwater and in wet areas
- Swimming pool and spa areas
- Fixing and replacement of Tiles
- Fixing or new Joints at the edge of the Pool
- Piping and Building Armatures
- In insulation Technology
- Plastics Technology
- Repair of Fish Tanks* & Ponds* etc.

(Need to be shielded from livestock during curing)

Packing: Box of 12 x 290ml cartridges

Part number: UWM 001 - white UWM 002 - blue
 UWM 004 - grey UWM 009 - black

UWM 003 - sand (tan)



UNDERWATER MAGIC™

Technical data:

The values are average values. They serve merely for your information, but assume no warranty.

Basis	modified MS - Polymer
Viscosity	pasty
Consistency	thixotropic
Density at 23 °C:	1,57 ± 0,03 g/cm³
Shore-A-hardness (DIN 53505) after 3 weeks of storage at 23 °C / 50 % rel. air humidity:	58 ± 2
Consistency (DIN EN 27390):	non sagging up to 40 mm large joints
Elongation at break (DIN 53504):	400 %
Modulus at 100 % elongation and 23 °C (DIN 53504 S2): Storage 7 days at 23 °C / 50 % rel. air humidity	1,5 N/mm²
Tear strength (DIN 53504 S2): Storage 7 days at 23 °C / 50 % rel. air humidity	2,6 N/mm²
Skinning time at 23 °C / 50 % rel. air humidity: Underwater	approx. 7 minutes immediate
Curing through at 23 °C / 50 % rel. air humidity:	after 24 h: 2,7 mm after 48 h: 4 mm
Resistance to temperature:	-40 °C to +90 °C
Working temperature:	lower +5 °C, upper +40 °C
Colours:	white, cream white, blue, sand (tan), grey, black
Size:	cartridges of 290ml , in boxes of 12 pieces
Shelf life:	12 months from production date, in original box
Storage conditions:	cool and dry

Is compatible with paints. Pre-tests are recommended. Paints based on alkyd resins may have extended drying times. The varnish should be applied to the sealant within 4 hours. You will get the best results working "wet on wet". After cleaning with acetone, the joints can be repainted at any time.

The data published in this leaflet correspond to reliable laboratory test results. However, it is left to the consumer himself to check the product's suitability for the application in question.



UNDERWATER MAGIC™ MOSAIC

is a one component chlorine water resistant glue for small and minor repairs in and around swimming pools, which even seals underwater. It is odor free, it's free of: Oxime, acetic acid, isocyanate & solvents , 100% silicone free and Is not affected by: chlorine- & salt water, weathering and UV-light.

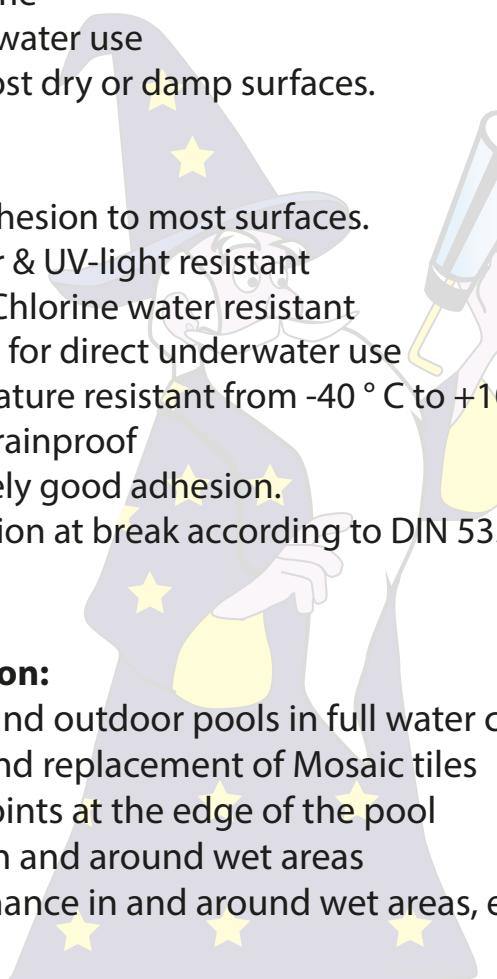
- Solvent free
- 100 % Silicone Free
- Free of Isocyanate & Oxime
- Suitable for direct underwater use
- Excellent adhesion to most dry or damp surfaces.



Features:

Strong adhesion to most surfaces.

- Weather & UV-light resistant
- Sea- & Chlorine water resistant
- Suitable for direct underwater use
- Temperature resistant from -40 ° C to +100 ° C
- Instant rainproof
- Extremely good adhesion.
- Elongation at break according to DIN 53504 = 300 %



Application:

- Indoor and outdoor pools in full water contact.
- Fixing and replacement of Mosaic tiles
- Fixing joints at the edge of the pool
- Repair in and around wet areas
- Maintenance in and around wet areas, etc.

Packing: Box of 10 x 120 g tubes

Part number: UWMM 001 - white



UNDERWATER MAGIC™ MOSAIC

Technical data:

The values are average values. They serve merely for your information, but assume no warranty.

Basis	modified MS - Polymer	
Viscosity	pasty	
Consistency	thixotropic	
Density at 23 °C:	1,532 ± 0,03 g/ml	
Shore-A-hardness (DIN 53505) after 3 weeks of storage at 23 °C / 50 % rel. air humidity:	60	
Elongation at break (DIN 53504):	300 %	
Modulus at 100 % elongation and 23 °C (DIN 53504 S2): Storage 7 days at 23 °C / 50 % rel. air humidity	1,7 N/mm ²	
Tear strength (DIN 53504 S2): Storage 7 days at 23 °C / 50 % rel. air humidity	2,1 N/mm ²	
Skinning time at 23 °C / 50 % rel. air humidity: Underwater	approx. 10 minutes immediate	
Curing through at 23 °C / 50 % rel. air humidity:	after 24 h: 3 mm	
Resistance to temperature:	-40 °C to +100 °C	
Working temperature:	lower +5 °C, upper +40 °C	
Chemical resistance:	good: to water, aliphatic solvents, oils, greases, diluted inorganic acids and alkali limited: to esters, ketones and aromatics not resistant: to concentrated acids and chlorinated hydrocarbons perfect weather-ability	
Colour:	white	
Size:	squeeze tube 120 g, in boxes of 10 pieces	
Shelf life:	12 months from production date, in original box	
Storage conditions:	cool and dry +5 °C - +25 °C	

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UNDERWATER MAGIC PUTTY™

is a Ceramic-filled Epoxy resin. Designed for quick repairs of swimming pools, sanitary facilities, glass, ceramics, stone and hard PVC.



Application:

- Indoor and outdoor pools in full water contact.
- Repair in and around wet areas
- Fills cracks and holes up to 15 mm
- Temperature resistant up to +180°C and for short period up to +300°C
- Extremely high Shore hardness D of 80 (concrete 60)
- Can be worked mechanically



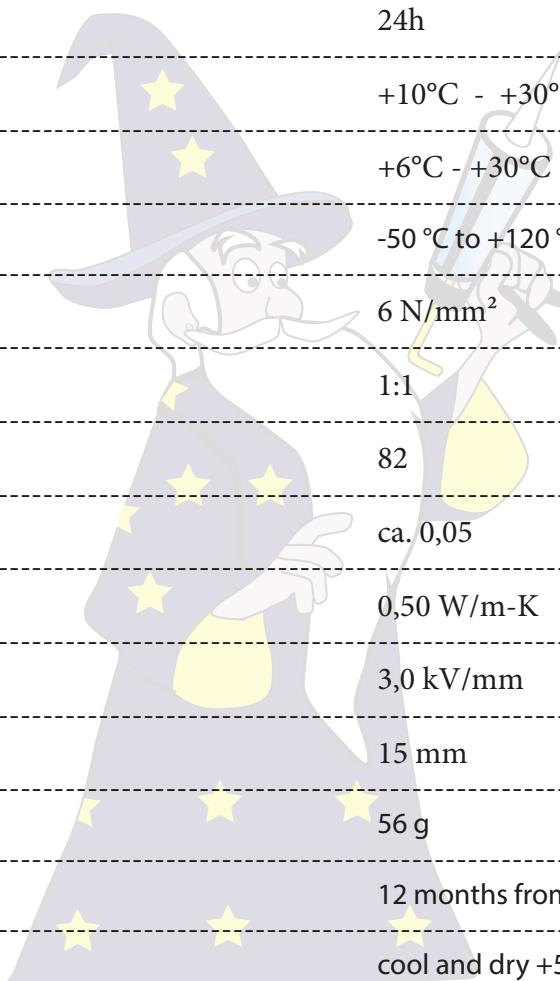
UNDERWATER MAGIC PUTTY™ is a very easy to use and useful for emergency repairs in industries, workshops, marine, construction in and around the house use.



UNDERWATER MAGIC PUTTY™

Technical data:

Basis	Epoxy Putty
Color (mixed)	white
Work life	25 - 30
Curing time	8 - 12 minutes
Full Strength	24h
Working temperature	+10°C - +30°C
Curing temperature	+6°C - +30°C
Resistance to temperature:	-50 °C to +120 °C
Shear Strength (DIN 53283)	6 N/mm²
Mix rate	1:1
Shore Hardness D	82
Shrinking %	ca. 0,05
Thermal Conductivity W/mK	0,50 W/m-K
Dielectric capacity kv/mm	3,0 kV/mm
Gap filling	15 mm
Size:	56 g
Shelf life:	12 months from production date, in original box
Storage conditions:	cool and dry +5 °C - 25 °C



Very easy to use and useful for emergency repairs in industries, workshops, marine, automotive, construction and also for household use.

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