

Product description

Intended use:	Mipa Pool Ruc is a ready to use, oil-free underwater and chemical protective paint to coat swimming pools, decorative and paddling pools made of concrete or primed metal.		
Characteristics:	Excellent water resistance, good adhesion, scratch and shock resistant. Very good chemical resistance, highly weather resistant and lightfast. Easy to clean with all usual pool-cleaning agents.		
Binder basis:	Chlorinated rubber		
Colours/Gloss :	Caribbean blue, RAL 3000, RAL 5012, RAL 6021, RAL 9005; RAL 9010		
Specification :	Gloss:	satin matt	DIN EN ISO 2813
	Density:	1.1 - 1.2 g/cm ³	DIN EN ISO 2811
	Viscosity:	70 - 90 s 4 mm	DIN 53211
Storage :	At least 3 years in closed original containers.		

Pre-treatment for repainting

Concrete :	The minimum drying time is 28 days. The surface must be free from holes and cavities. Thorough roughening is absolutely necessary for smooth surfaces (preferably by means of suitable blasting method). Concrete damages (e.g. cracks, fissures or friable areas) must be repaired professionally before coating. Adhesion inhibiting substances (such as sun oils) are to be removed without leaving any residue.
Mineral substrates :	Remove all dust, loose and friable parts (this is best done with thorough cleaning using a steam jet). The surface must be free from holes and cavities. Thorough roughening is necessary for smooth surfaces. Fissures, spallings, etc. must be repaired professionally before coating. Repair proper all cracks, fissures, etc. Adhesion inhibiting substances (such as sun oils) are to be removed without leaving any residue.
Steel :	Blast to cleaning degree SA 2.5 or, if blasting is not possible, alternatively remove rust mechanically and sand thoroughly (sand paper grit P 120-220) until rust, mill scale and rolling skins are removed completely. Clean thoroughly using Mipa Silikonentferner.

This technical data sheet is supplied for informational purposes only! According to our information, all data and recommendations correspond to the state of art and are based on years of experience in manufacturing our products. They do not exempt the user from his obligation to verify professionally, on his own responsibility, the suitability of our products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete the information content at any time, without prior notice or obligation to update.

Aluminium:	First clean surface thoroughly with Mipa Silikonentferner. Sand slightly the complete area (sandpaper P 180 – 320) and degrease again with Mipa Silikonentferner.
Galvanized steel:	Clean the surface by means of an ammonia solution (for example with Mipa Zinkreiniger) or of a suitable blasting method (sweep blast).
Filler:	Generally, use only putty materials which are recommended for underwater use in swimming pools and which can be recoated with Mipa Schwimmbadfarben. Always test their overcoatability with Mipa Schwimmbadfarben prior to application! Unsuitable putty may cause quality problems (poor adhesion, blistering, etc.)

Pre-treatment for old paintworks

Important: non-solid, loose and cracked old coatings must **always be removed completely** (preferably by means of suitable blasting process).

Check if well-preserved, solid old paintworks are recoatable with Mipa Pool Ruc. The test area should be large enough to allow the testing of recoatability and after drying, of adhesion (crosscut test). If the results are satisfactory, proceed to further processing.

Clean solid old paintworks thoroughly (this is best done with) and rough slightly (for example by sweep blast or sand with sandpaper P 220 - 320). The surface must be free from holes and cavities. Fissures, spillings, etc. must be repaired professionally before coating. Repair proper all cracks, fissures, etc. Adhesion inhibiting substances (such as sun oils) are to be removed without leaving any residue.

Coating structure

Steel, aluminium and galvanized steel :	Priming coat:	Mipa EP 100-20 (dry film thickness: 30 - 40 µm)
	1 st intermediate coat:	Mipa Pool Ruc (dry film thickness: 30 - 40 µm)
	2 nd intermediate coat:	Mipa Pool Ruc (dry film thickness: 30 - 40 µm)
	Topcoat :	Mipa Pool Ruc (dry film thickness: 30 - 40 µm)

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This results in the following paint material consumption:

Mipa Product	Total dry film thickness	Material consumption without loss	
		g/m ²	ml/m ²
Pool Ruc	90 - 120 µm	372 - 495	330 - 441

Mineral substrates (concrete, cement plaster):

Priming coat:	Mipa Pool Ruc diluted 1:1 (dry film thickness: 15 - 20 µm)
1 st intermediate coat:	Mipa Pool Ruc (dry film thickness: 30 - 40 µm)
2 nd intermediate coat:	Mipa Pool Ruc (dry film thickness: 30 - 40 µm)
Topcoat:	Mipa Pool Ruc (dry film thickness: 30 - 40 µm)

This results in the following paint material consumption:

Mipa Product	Total dry film thickness	Material consumption without loss	
		g/m ²	ml/m ²
Pool Ruc	110 - 140 µm	561 - 684	519 - 630

Dilution : Mipa Verdünnung UN 21

Drying time : dry at the surface: after 1 hour at room temperature
recoatable: after 24 hours at room temperature

Special Recommendations

1. Processing conditions: 10 °C up to 28 °C. Do not apply under direct sunlight and rain.
2. During drying, make sure that there is no dewing on the paint surface within the first 48 hours to avoid any paint defects (deficient film build). Furthermore, during the drying, avoid any permanent water contact and remove stagnant water immediately by means of a squeegee.
3. Full cured after 8 - 10 days (20 °C). Protect from rain during the first two hours (danger of cratering).
4. Chalking and colour brightening caused by weathering is typical to this coating system. It does not affect the functionality of the coating. We recommend to control regularly the coating and to renew it if necessary.
5. Iron and steel basins are not suitable for permanent water contact.
6. Allow at least 14 days drying time after the last application (not counting days on which it rained!) before you let the water in.

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7. Apply the paint by rolling the paint roller slowly without leaving bubbles. In order to achieve a blister-free surface we recommend applying the paint by means of a paintbrush or a wide flat brush. When applying by roller, we recommend moving with light pressure the roller again over the still wet surface to open any possible blister. The flash-off phase may not yet be reached so that the paint can still flow. Suitable roller: short hair lambskin roller. The application by Airmix- / Airless spraying is not possible.
8. When used for fish basins: Allow at least 4 weeks drying time after the last coat application (not counting days on which it rained!) and rinse afterwards thoroughly with water.
9. Mipa Pool Ruc is resistant to commercially available swimming pool cleansing agents. Even so, a compatibility test on a small area is recommended before starting cleansing.
10. If the swimming pool coatings are exposed to higher stress (e.g. higher chlorine or salt content, ozone influence, leaves and petals, aggressive cleansing agents etc.), increased chalking and colour brightening have been observed.
11. For professional use only. Please follow the instructions in the corresponding Mipa technical data sheets.

Frequent Mistakes

1. The minimum dry film thickness is not achieved: That is why we recommend applying an extra coat on vertical surfaces.
2. Diluted final coat: the flow will in fact be better but the required dry film thickness is not achieved.
3. Deficient maintenance and repair: depending on climatic conditions, regular control and professional maintenance are extremely important. Therefore, an annual renovation coat is required.
4. Application of Mipa Pool Ruc as „sealing material“: Designed as highly robust underwater coatings, these swimming pool paints are no guarantee for watertightness. Therefore, make sure that the substrates are watertight.

Safety Instruction

Use only in well-ventilated rooms. During work, do not smoke, eat or drink. Keep out of the reach of children.

Cleaning of Tools

Clean tools with Mipa Nitroverdünnung immediately after use or in case of prolonged interruption of work.

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