

## SealArm UW

(Formerly known as MYK Escosil 2000- UW)

Silicone for underwater use



## TECHNICAL DATA SHEET

### Uses

SealArm UW is used for the elastic jointing of expansion and construction joints in swimming pools, water features etc. or where an especially high fungicidal performance is desired.

Not suitable for potable water or fish tanks.

### Features and Benefits

- Non slump.
- Smooth paste consistency.
- Oxime-interlacing.
- High level of fungicide.
- Elastic.
- Resistant to weathering and ageing.
- Watertight.
- Resistant to chemicals and chlorine.
- For interiors and exteriors.
- For walls and floors.
- MEKO-free

## Application Methodology

### Substrate preparation

The areas of contact must be dry (concrete <4% moisture), clean, dust free as well as free from constituents that work as separating agents (e.g. oil, grease, paint residues, sealers, cement slurries etc.). Also no moisture should penetrate the SealArm UW from the edges or from the joint base during the curing process.

With mineral-based substrates, such as for example ceramic tiles, concrete etc. and zinc, treat the joint edges with a suitable silicone primer.

When using with metal such as cast iron, aluminium, galvanised metal etc., the joints edges should be primed with silicone primer.

- For application on painted and plastic surfaces individual site trials should be carried out! Oil, tar and bitumen containing backing strips are not suitable nor are natural rubber, chloroprene or EPDM based materials.

### Product application

Filling of the joint with SealArm UW may be carried out once the primer has dried. The general jointing technology regulations must be followed. The surface of the applied sealant can be subsequently smoothed, i.e. before it has formed a skin, with soapy water and a suitable tool. Hereby the material is pressed in the joint and onto the contact surfaces. The surface should not be exposed to water until at least 4 days have elapsed.

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### Technical Data

Basis	Pure, unmodified, neutral curing silicone sealant, silicone oils
Colours	Cement grey
Consistency	Paste, non slump
Specific gravity	Approx. 1.05 g/cm <sup>3</sup>
Application temp	+5°C to +35°C
Skin formation	Approx. 6 minutes at +23°C and 50% relative humidity
Curing after 1 day	Approx. 2 – 3 mm at +23°C and 50% relative humidity
Shore-A-hardness	Approx. 24 acc to DIN 53505
E module	Approx. 0.35 N/mm <sup>2</sup> , 100% to DIN 53 504
Movement accommodation	25%
Tensile strength	Approx. 2.6 N/mm <sup>2</sup> to DIN 53 504
Elongation at break	Approx. 450%, to DIN 53504
Temperature resistance	-40°C to +180°C
Cleaner	FloArm Clean PU when in the fresh state

### Advice

- When using in swimming pools sufficient chlorine disinfection measures must be in place to effectively prevent mildew and/or algae. Alternative measures such as UV-radiation or ozone do not have sustained disinfecting efficiency. This is however indispensable to avoid the formation of mildew and/or algae.
- Constant water circulation has always to be in use and must never be interrupted, even for a short time. The chlorine concentration must not fall below 0.3 mg/l, not even in places.
- When using acid cleaners ensure that subsequently an alkaline environment is produced as the danger of mould/mildew is increased with their application.
- Protect areas, which are not to be treated from the effects of SealArm UW.
- Avoid skin contamination and remove with soap and water as necessary.
- Avoid contact with eyes or mucous membranes with the uncured silicone sealant SealArm UW.
- Thoroughly rinse eyes with plenty of water and seek medical attention.
- Avoid prolonged and repeated skin contact.
- Contains a blend of butanone oxime silanes and butanone oxime. May cause allergic reactions. Must not be continuously inhaled as this may effect the health.
- Strictly adhere to all safety measures for handling solvent-based lacquers and solvents when using silicone primer.
- Silicone primer. For an improved adhesion of silicone systems to metal, concrete slabs and to natural stone. In combination with metals such as e.g. iron which corrode on contact with acetic acid use SealArm UW.

Please observe a current EU safety data sheet.

### Packaging

Polyethylene cartridges, 310 ml contents  
(310 ml x 12 tubes per box)

### Storage & Shelf Life

Dry and cool, 12 months in the original unopened packaging. Use opened packaging promptly.



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#### Consumption table

Joint dimensions and consumption (approx.) in m per 310 ml cartridge

Joint width in mm	5	7	10	12	15	20	25
Joint depth in mm							
5.0	12.0 m	8.0 m	6.0 m				
7.0		6.0 m	4.0 m	3.0 m			
10.0			3.0 m	2.5 m	2.0 m	1.5 m	
12.0				2.1 m	1.7 m	1.2 m	1.0 m
15.0					1.3 m	1.0 m	0.8 m

#### Product Categories Available



#### Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.