



## Technical Data Sheet

# ESCOSIL-2000

## Silicone joint sealant

**Art.-No. 2 05590**

### Properties:

- One component.
- Solvent free.
- Non slump.
- Smooth paste consistency.
- Contains fungicide.
- Elastic.
- Resistant to weathering and ageing.
- Watertight.
- Resistant to chemicals and chlorine.
- For interiors and exteriors.
- For walls and floors.

### Areas of application:

ESCOSIL-2000 is used in sanitary applications for sealing connecting joints between tiled finishes and wash-basins, bath-tubs, shower trays, architraves and window frames; furthermore for sealing movement joints in wall and floor areas. For interior and exterior use.

**Not suitable for aquariums. Not suitable for jointing natural stone or in underwater areas.** Here it is recommended that the natural stone silicone ESCOSIL-2000-ST or the underwater silicone, ESCOSIL-2000-UW are used.

### Technical Data:

Basis:	pure, unmodified acetate curing silicone sealant
Colours:	white, grey, manhattan, light grey, silver grey, bahama beige, pergamon, cement grey, anthracite grey, light grey 98, mid grey 98, transparent
Consistency:	paste
Specific gravity:	approx. 1.0 g/cm <sup>3</sup>
Application temp:	+5 °C to +35 °C
Skin formation:	approx. 8 – 12 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. 18-22 acc. to DIN 53505
E module:	approx. 0.35 – 0.40 N/mm <sup>2</sup> , 100% to DIN 53 504
Movement accommodation:	25%
Tensile strength:	approx. 1.2 – 1.5 N/mm <sup>2</sup> to DIN 53 504
Elongation at break:	approx. 400 – 600 %
Temperature resistance:	- 60 °C to +180 °C
Storage:	dry and cool, 12 months in the original unopened packaging. Use opened packaging promptly.
Packaging:	310 ml contents (310 ml x 20 tubes per carton)
Cleaner:	AQUAFIN-Reiniger when in the fresh state

### Surface 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 ESCOSIL-2000 from the edges or from the joint base during the curing process.

- With smooth impervious substrates e.g. glass and glazed ceramic no primer is necessary.
- With rough, porous mineral-based substrates e.g. concrete, aerated concrete, Eternit, render and brickwork, prime the joint edges with AG74.
- With aluminium due to varying factory surface treatments, site trials should be carried out and if necessary prime with AG70.

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- For application on other metals as well as painted and plastic surfaces and with wood individual site trials should be carried out and if necessary prime with AG70.

Oil, tar and bitumen containing backing strips are not suitable neither are natural rubber, chloroprene or EPDM based materials.

## Product preparation:

Filling of the joint with ESCOSIL-2000 may be carried out once the primer has dried. The general jointing technology regulations are decisive. 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.

## Important advice:

- Protect areas, which are not to be treated from the effects of ESCOSIL-2000.
- Avoid skin contamination and remove with soap and water as necessary.
- Avoid contact with eyes or mucous membranes with the uncured silicone sealant ESCOSIL-2000.
- Thoroughly rinse eyes with plenty of water and seek medical attention.
- Avoid prolonged and repeated skin contact.
- Strictly adhere to all safety measures for handling solvent-based lacquers when using the primer AG74 and the solvent AQUAFIN-Reiniger.
- When using acid cleaners ensure that subsequently an alkaline environment is produced as the danger of mould/mildew is increased with their application.

Please observe a current EU safety data sheet.

## Priming table:

Substrates	ESCOSIL-2000 sanitary silicone
Acrylic (bath tubs)	-
Aluminium untreated	-
Aluminium, anodised	AG70
Artificial stone	x
Concrete	AG74
Lead	x
Chrome	AG70
Iron, abraded	x
Stainless steel, rust free	AG70
Tiles, glazed	-
Tiles, unglazed	-
Glass	-
Wood, glazed	AG70
Wood, varnished	-
Synthetic stone	x
Copper	x
Plastic (profiles)	-
Melamine resin	AG70
Brass	x
Natural stone	x
Polyester	-
Aerated concrete	AG74
Render	AG74
PVC	-
Soft PVC (membranes)	x
Sandstone	x
Tinplate	AG70
Zinc	AG70

\* strictly in wet areas

X = not suitable

- = not required

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- AG66. Bonding primer for use with the natural stone silicone ESCOSIL-2000-ST and sandstones.
- AG70. For an improved adhesion of silicone systems to metal, concrete blocks and to natural stone. In combination with metals such as e.g. iron which corrode on contact with acetic acid use ESCOSIL-2000-ST or ESCOSIL-2000-UW. In combination with concrete blocks and natural stone use ESCOSIL-2000-ST.
- AG74. Primer for ESCOSIL-2000 silicone on absorbent, porous mineral-based substrates such as aerated concrete, render, brickwork etc.
- AG78-2000. One component resin primer for achieving an optimum bond with ESCOSIL-2000-UW to all mineral-based substrates.

## Consumption table:

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