SCHOMBURG GmbH & Co. KG
Aquafinstrasse 2 – 8
D-32760 Detmold (Germany)
phone +49-5231-953-00
fax +49-5231-953-108
email export@schomburg.de
www.schomburg.com

SCHOMBURG

Technical Data Sheet

ESCOSIL®-2000

Silicone joint sealant

Art.-No. 2 05590

CE 1213
SCHOMBURG GmbH & Co. KG
Aquafinstrasse 2 – 8
D-32760 Detmold
2014
2 05590

EN 15651-3
ESCOSIL-2000
1 component silicone sealant, acetoxy cure for use in sanitary areas
- Type S
- Conditioning: method A
- Carrier material: glass
- Pretreatment: OTTO Cleanprimer 1226

Reaction to Fire	Class E
Release of hazardous materials and/or chemicals harmful to the environment	evaluated
Water- and air-tightness	
a) Stability	≤ 3 mm
b) Loss of volume	≤ 10 %
c) tensile behaviour i.e. elongation under pre-stressing after immersion in water	passed (NF)
h) Microbiological growth	0
Durability	passed (NF)

GEV-EMICODE® EC 1 PLUS very low emission

- One component.
- Non slump.
- Smooth paste consistency.
- Contains fungicide.
- Elastic.
- Weather-, UV- and ageing-resistant.
- Watertight.
- Resistant to chemicals and chlorine.
- For walls and floors.

Areas of application:

ESCOSIL-2000 is used in sanitary applications for sealing movement and connecting joints between tiled finishes and wash-basins, bath-tubs, shower trays, architraves and window frames.
Not suitable for aquariums. For joints in natural stone use ESCOSIL-2000-ST. For joints in underwater applications use ESCOSIL-2000-UW.

Technical Data:

Basis:	pure, unmodified acetate curing silicone sealant
Colours:	white, manhattan, silver grey, jasmine, pergamon, cement grey, graphite, titan grey, medium grey, transparent, beige, caramel, jura beige, brown, nut brown, grey
Consistency:	paste
Specific gravity:	approx. 1.0 g/cm³
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/mm², at 100% to ISO 37, S3A
Permissible movement accommodation:	25%
Tensile strength:	approx. 1.2 – 1.5 N/mm² to ISO 37, S3A
Elongation at break:	approx. 400 – 600 % to ISO 37, S3A
Temperature resistance:	- 40 °C to +180 °C
Storage:	dry and cool, 24 months in the original unopened packaging. Use opened packaging promptly.
Packaging:	310 ml, polyethylene cartridges, (310 ml x 12 tubes per box)
Cleaner:	ASO-R001 when in the fresh state
Reaction to fire:	Construction class B2

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

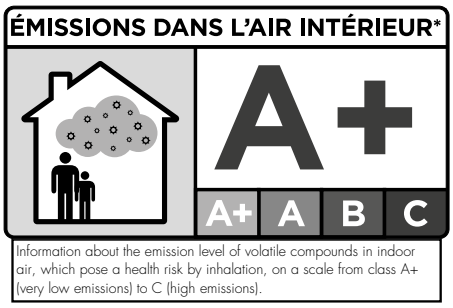
- With smooth impervious substrates e.g. glass and glazed ceramic no primer is necessary.
- With rough, porous mineral-based substrates e.g. concrete, aerated concrete, Eternit, render and brickwork, prime the joint edges with a suitable primer, such as OTTO-CHEMIE Primer 1225.
- With aluminium due to varying factory surface treatments, site trials should be carried out and if necessary prime with AG70.
- 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 nor are natural rubber, chloroprene or EPDM based materials.

Product application:
Filling of the joint with ESCOSIL-2000 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.

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 and solvents when using primer AG70.
- When using acid cleaners ensure that subsequently an alkaline environment is produced as the danger of mould/mildew is increased with their application.
- AG70
  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 ESCOSIL-2000-ST or ESCOSIL-2000-UW. In combination with concrete blocks and natural stone use ESCOSIL-2000-ST.
- The current IVD data sheets are to be observed.

Please observe a current EU safety data sheet.



ESCOSIL®-2000

Priming table:

Substrates	ESCOSIL-2000 sanitary silicone
Acrylic (bath tubs)	AG70
Aluminium untreated	–
Aluminium, anodised	AG70
Concrete	×
Lead	×
Chrome	AG70
Iron, abraded	×
Stainless steel, rust free	AG70
Tiles, glazed	–
Tiles, unglazed	–
Glass	–
Wood, glazed	AG70
Wood, varnished	–
Synthetic stone	×
Copper	×
Plastic (profiles)	–
Melamine resin	AG70
Brass	×
Natural stone	×
Polyester	–
PVC	AG70
Sandstone	×
Thinplate	AG70

× = not suitable
– = not required

Consumption table:

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

Joint width in mm / Joint depth in mm	5	7	10	12	15	20	25
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