

## ESCOSIL-2000

Silicone joint sealant



Material number	Contents	Packaging	Colour
205590001	310 ml	Cartridge	White
205590007	310 ml	Cartridge	pergamon
205590008	310 ml	Cartridge	Cement grey
205590012	310 ml	Cartridge	Transparent
205590013	310 ml	Cartridge	graphite
205590014	310 ml	Cartridge	titanium grey
205590015	310 ml	Cartridge	silver grey
205590017	310 ml	Cartridge	beige
205590018	310 ml	Cartridge	nut brown
205590020	310 ml	Cartridge	Grey
205590021	310 ml	Cartridge	jasmine
205590022	310 ml	Cartridge	caramel
205590023	310 ml	Cartridge	Jura beige
205590024	310 ml	Cartridge	brown
205590025	310 ml	Cartridge	Medium grey
205590026	310 ml	Cartridge	sand grey
205590027	310 ml	Cartridge	Bahama beige

## ESCOSIL-2000

### Product features

- Sanitary silicone - contains fungicide
- Acetoxy cure
- water resistant
- Skin forms after approx. min. 8 - 12 minutes
- Hardening of approx. 2 - 3 mm on the 1st day
- Total permissible deformation: max. 25 %

### Advantages

- Non slump
- Convenient compaction properties
- Anti-fungal effect
- Easy to smooth

### Areas of application

- For sealing expansion, movement and connecting joints in tiled finishes
- To produce movement joints in sanitary applications, damp and wet areas
- For walls and floors

### Existing test certificates

EMICODE licence

### Technical Data

#### Material properties

Product components	1 component system
Base material	Acetate curing silicone jointing compound
Consistency	Paste
Density (spec. weight)	approx. 1 g/cm <sup>3</sup>
Elongation at break (ISO 37)	approx. 600 %
Shore-A hardness (ISO 868)	approx. 18.00 - 22.00
Temperature resistance	- 40 + 180 °C
UV-resistant	true
Volume reduction (DIN EN ISO 10563)	< 10 %
Tensile strength (ISO 37)	approx. 1.2 N/mm <sup>2</sup>
Permissible movement accommodation	max. 25 %
Classification of the reaction to fire in accordance with DIN EN 13501-1	E

#### Application

Substrate temperature	from 5 °C to 35 °C
Hardening process per 24 hours	min. 2 mm
Foot traffic after	approx. 24 hours
Application temperature	from 5 °C to 35 °C
Hardening time / full resilience	approx. 7 days
Skin formation time	min. 8 - 12 minutes

## ESCOSIL-2000

### Material consumption

Material consumption rate according to the area of application

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

### Application technology

Aids/tools

- Smooth wood
- Flat trowel
- Craft knife
- Smoothing agent

Manual processing

Can be smoothed with a smoothing tool

### Substrate preparation

Requirement for substrate

1. Clean
2. Extensively fully grouted
3. Free of adhesion inhibiting substances

## ESCOSIL-2000

### Priming table

Substrates	ESCOSIL-2000 Sanitary silicone
Acrylic {bath-tubs}	- / Primer 1101 from OTTO-CHEMIE
Aluminium, untreated	-
Aluminium, anodised	Primer 1216 from OTTO-CHEMIE
Artificial stone	Primer 1105 from OTTO-CHEMIE
Lead	x
Chrome	Primer 1216 from OTTO-CHEMIE
Iron, abraded	x
Stainless steel	Primer 1216 from OTTO-CHEMIE
Tiles and boards, glazed	-
Tiles and boards, unglazed	-
Glass	- / Primer 1226 from OTTO-CHEMIE
Wood, glazed	Primer 1216 from OTTO-CHEMIE
Wood, varnished	- / Primer 1216 from OTTO-CHEMIE
Synthetic stones	x
Copper	x
Plastic (profiles)	-
Melamine resin	Primer 1216 from OTTO-CHEMIE
Brass	x
Natural stones	x
Polyester	-
PVC	Primer 1217 / 1227 from OTTO-CHEMIE
Sandstone	x

x = not suitable  
- = not required

### Preparing the surface

1. No moisture may enter during hardening. This also applies to the edges and the joint edge.
2. No primer is required on smooth, non-porous substrates (e.g. glass / glazed ceramic).
3. Pre-treat the joint edges with a suitable primer (e.g. OTTO Primer 1225) on rough, porous, cementitious substrates (e.g. concrete, aerated concrete, eternit, plaster and masonry work).
4. Carry out performance tests for aluminium and prime with OTTO Primer 1216 if necessary.
5. When applied to other metal / coated and plastic surfaces / wood, carry out suitability tests on the building and prime with OTTO Primer 1216 if necessary.
6. Allow the primer to dry.

### Usage

#### Application

1. When filling with ESCOSIL-2000, the general standards for jointing technology are essential.
2. Smooth the surface of the applied sealing compound using a smoothing agent and suitable tools before it can form a skin. Push the material into the joints and press onto the contact surfaces.

#### Cleaning tools

Immediately after use, clean tools with ASO-R001.

### Storage conditions

#### Storage

Frost-free, cool and dry. 24 months in the original container. Promptly use opened container.

### Disposal

Product leftovers can be disposed of in accordance with disposal code AVV 08 04 09.

## ESCOSIL-2000

### Notes

- All values given in the TM apply at +23 °C and 50% relative humidity.
- Protect surfaces that are not to be treated from the effects of ESCOSIL-2000!
- Avoid contamination on the skin and remove with soap and water if necessary.
- Unhardened sealing compound ESCOSIL-2000 must not get into eyes and/or mucous membranes. Rise the eyes immediately with a large amount of water and consult a doctor.
- Avoid extended and repeated skin contact.
- When using the primer, comply with all precautions for handling paints / solvents that contain solvents.
- Re-establish an alkaline environment after using acidic cleaning materials. The risk of mould/mildew is increased by the application.
- For metals that corrode on contact with acetic acid (e.g. iron), use ESCOSIL-2000-ST or ESCOSIL-2000-UW.
- Use ESCOSIL-2000-ST for concrete and natural stones.
- Oil, tar and bitumen containing backing strips as well as materials based on natural rubber, chloroprene or EPDM are not suitable.
- Not suitable for drinking water and fish tanks.

**The recognised standards of construction engineering, the relevant guidelines and current regulations must be observed.**


Extract of essential regulations

Observe the current IVD data sheets

**Observe applicable safety data sheet!**

### Annotations

Conformity / Declaration / Verification

		
<b>SCHOMBURG GmbH &amp; Co. KG</b> Aquafinstraße 2-8 D-32760 Detmold (Germany) 14 2 05590-1		
EN 15651-1, EN 15651-2, EN 15651-3 <b>ESCOSIL-2000</b> Single component silicone jointing compound, acetoxy cure for use in façades, for glazing and in sanitary applications <b>Type F EXT-INT CC, G CC, S</b> - Conditioning: Procedure A - Substrate material: Glass - Pre-treatment: OTTO Cleanprimer 1226		
1/2/3-1	Reaction to fire	E
1/2/3-2	Release of chemicals which are hazardous to health and/or the environment	NPD
Water and air tight		
1/2/3-3	Stability under load	≤ 3 mm
1/2-4	Volume loss	≤ 10 %
3-4	Volume loss	≤ 20 %
1/3-5	Tensile behaviour, i.e. stretching behaviour under pre-load after immersion in water	NF
1/2-7	Tensile properties/secant module in cold climate (at -30°C)	≤ 0,9 MPa
1/2-8	Tensile properties under pre-load in cold climate (at -30°C)	NF
2-10	Adhesion/tensile behaviour after the effects of heat, water and artificial light	NF
2-11	Recoverability	≥ 60 %
3-12	Microbiological growth	0
1/2/3-20	Durability - adhesion/tensile behaviour at different temperatures	NF

## ESCOSIL-2000

### Colours

	Cement grey
	White
	Transparent
	titanium grey
	silver grey
	sand grey
	pergamon
	nut brown
	Medium grey
	Jura beige
	jasmine
	Grey
	graphite
	caramel
	brown
	beige
	Bahama beige

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