

# M18

## SILICONIZED ACRYLIC SEALANT

Demsun M18 is one-component acrylic emulsion based sealant reinforced with silicone emulsion. It has superior adhesion and good elasticity.

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### FEATURES & BENEFITS

- Its siliconized structure, makes it possible to handle movement up to 15%,
- Water based & Non-toxic,
- Very low VOC content,
- Water-proof after curing,
- Over paintable,
- Very easy to apply and clean,
- Can be used on all porous surfaces such as brick, concrete, wood etc.
- No odour.

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### APPLICATION AREAS

- Sealing of low movement joints between various construction materials (wood, concrete, brick etc.)
- Sealing joints between windows, walls, doors etc.
- Filling cracks in walls and on ceilings.

Low Cost  
&  
Environmentally  
Friendly

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### INSTRUCTIONS

- The joints must be clean and free from dust, grease and rust.
- No primer is required for non-porous surfaces. On porous surfaces such as concrete, stone, cement and plaster a primer (mixture of one part acrylic sealant and 4-5 parts of water) can be applied.
- Min/max joint width must be 5mm/25mm. The recommended joint depth/width ratio is 1 to 2. Application temperature is between +5 °C and +35 °C.
- Immediately after the application, smooth the sealant at once with wet finger or a wet tool.
- Excess sealant can be removed by a wet cloth.
- Keep the sealed joint dry at least for two hours.
- Cured sealant can be removed mechanically.

## TECHNICAL DATA SHEET (TDS)

### Surface Preparation

Glass	Degrease with alcohol or MEK
Aluminium, light alloys and stainless steel	Degrease with alcohol or MEK
Other Metals	Lightly abrade then degrease as above
Wood	Lightly abrade surface then remove dust
Plastics	Degrease using an agent recommended by plastics manufacturer
Concrete and other alkaline Surfaces	Brush and remove dust

### Consumption (approx.)

Joint Width	5mm	10mm	15 mm	20 mm	25 mm
Joint Depth	3mm	5mm	8 mm	10 mm	12 mm
Efficiency /310 ml	20 meters	6 meters	2,5 meters	1.50 meters	1 meters

### STANDARDS

Meets or exceeds the requirements of the following specifications:

- The French VOC requirements for class A+
- CE marked for EN 15651 for façade (DOP No: 2016-0003)
- The requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.

### RESTRICTIONS;

- Should not be applied for sealing joints permanently exposed to water.
- It should not be applied in case of risk of rain or frost.

### STORAGE AND SHELF LIFE;

The shelf life is 18 months if stored in unopened-original package in a dry place at temperatures between +5°C and +25°C.

### SAFETY & DISPOSAL

Bears no imminent risk to health. Check MSDS guidelines for disposal and further information concerning safety.

## TECHNICAL DATA SHEET (TDS)

### PROPERTIES

<b>Basis</b>	: Acrylic Dispersion	
<b>Consistency</b>	: Smooth paste	
<b>pH</b>	: 7-8	
<b>Specific gravity</b>	: 1,65 ± 0,03 gr/cm <sup>3</sup>	(ASTM D 792)
<b>Tack-Free time</b>	: 50 ± 20 min (23 °C and 50% R.H)	(ASTM C 679)
<b>Curing Rate (mm/day)</b>	: 2 mm/day (23 °C and 50% R.H)	
<b>Shore A hardness</b>	: 30-50 Shore A	
<b>Ultimate elongation</b>	: ≥300%	(ASTM D 412)
<b>Temperature resistance</b>	: -10 °C to +80 °C	
<b>Application Temperature</b>	: +5 °C to +40 °C	

### PRODUCT

Product Type	Volume	Package
White/Black/Grey/Brown	310 ml	24

### DISCLAIMER

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