

Speciality Silicone



Name	LUMINES Lighting Silicone black tube 20 ml	LUMINES Lighting Silicone grey tube 20 ml	LUMINES Lighting Silicone grey cartridge 300 ml
Symbol	LUMINES-S01T20BLACK	LUMINES-S01K300GREY	LUMINES-S01K300GREY
Index	14-4028-71	14-4028-69	14-4028-70
Ean	5904405946763	5904405946695	5904405946701

Description

A high quality single component universal silicone based on polysiloxane with an acetate moisture mediated curing system. Once cured, it remains flexible throughout its service life. The silicone is resistant to atmospheric agents, water and UV radiation. It has excellent adhesion to all smooth, polished and painted surfaces. It provides a glossy, crack and crumble free surface that is resistant to dust and dirt. Resistant to varying temperatures (-40°C to +120°C).

Characteristics:

- Flexible
- Weather resistant
- Resistant to temperature changes
- Moisture resistant
- UV resistant
- Will not crumble
- Will not crack
- Indoor and outdoor use
- Will not run off vertical surfaces

Application

Materials: glass, metals, wood, plaster, brick, plastic, ceramics, stone, plasterboard, polystyrene

Examples of use:

- Mounting and sealing of the LUMINES STRADA system
- Elimination of light leakage at connection points in LUMINES Lighting aluminium profile systems

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Surface preparation & conditions

Bonded surfaces should be:

- **CLEAN** - Clean the surfaces to be glued so that they are free of all dirt and contamination (dust, dirt, grease). Then wash with Technicqll Degreaser or Cleaning Kit.
- **DRY** - Dry the cleaned surfaces.

Working temperature: carry out the work at ambient and substrate temperatures between +5°C and +30°C.

Application

- **Grouting/sealing**
 1. Apply masking tape to both sides of the adhesive surface to ensure even edges.
 2. Apply a small amount of silicone and smooth with a spatula dipped in water with a little soap.
 3. Remove the masking tapes after approx. 10 minutes.
 - **Mounting/joining**
 1. Apply silicone spot-on (at intervals of 2-3 cm) to one of the surfaces to be joined.
 2. Press the parts together.
 3. Moisture in the air is needed for the silicone to cure, so do not press too hard on the parts to be bonded, to leave space for air to flow between the silicone.
 4. Allow 24 hours for the joint to gain full strength.
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Advice & comments

- Ensure adequate ventilation during bonding operations.
- When bonding objects to vertical surfaces, prepare supports of sufficient length in advance to immobilise the object for the duration of silicone drying (24 hours).
- Recommended joint sizes [mm] (width x depth): 4-8 x 6; 10-12 x 8; 14-16 x 10; 18-20 x 12; 22-24 x 14. Minimum joint width 4mm and maximum 25mm.
- Do not use for joints with Teflon, PP, PE.
- Do not use with PVC, concrete, plaster, marble, acrylic, corrosion-sensitive metals: lead, zinc, copper, iron and for sealing aquariums and for bonding mirrors.
- Avoid contact with the secondary seal in insulating glass units as well as with laminated glass (especially edge contact).
- Fresh soiling can be removed with soapy water or extraction benzine, while after curing it can be removed with a knife or spatula.
- At temperatures above 120°C the silicone will discolour.

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Technical Data

Base	polysiloxanes
Glue colour	grey, black
Joint colour	grey, black
Consistency	thixotropic paste
Density	0.95-0.99 g/cm ³
Dry to touch (23°C, 50% humidity)	25 min.
Full cure time (23°C, 50% humidity)	2mm/24h
Temperature resistance	-40 ÷ 120°C
Shore A hardness	17-20
100% modulus	0,35 MPa
Tensile strength	1,5 MPa
Elongation at break	>400%
Application temperature	5°C ÷ 30°C
Shrinkage	negligible
Dripping	<2mm
Permissible deformation	25%
Paintability	none

Storage

- Store in tightly closed packaging at temperatures below 25°C. In transport max. down to -15°C.
- Protect from moisture.
- You can store the adhesive together with other products.
- Use by date and batch number on the bend of the tube or on the cartridge.