



TECHNICAL DATA SHEET (TDS)

SLCN280 GRANIT – NEUTRAL SILICONE

1. PRODUCT FEATURES

SLCN280 GRANIT is a neutral system curing, high performance silicone sealant and sealant with wide usage area in construction and construction. It provides odorless curing and very strong adhesion without causing corrosion in building materials.

- It is one component, cures with humidity in the air.
- Provides excellent adhesion to many porous and non-porous surfaces without the need for a primer.
- It does not cause corrosion, does not react with construction materials and does not corrode.
- It is highly resistant to all kinds of weather conditions.
- Does not lose its properties at high and low temperatures (-60 °C, +180 °C)
- It cures fast.
- It has high elasticity.
- Solvent free, 100% silicone.
- Does not emit odor while curing.

2. APPLICATION AREAS

Wall, brick, concrete, PVC, wood, glass etc. It is used in filling and sealing applications on many materials; assembly of windows, doors and joinery, joints of exterior elements (for resistance to weather conditions), Glass assembly, Sealing and filling applications in bathrooms and kitchens.

3. APPLICATION METHOD

1. Application surfaces should be cleaned sufficiently and free from dirt, oil and dust.
2. Application temperature should be between +5°C and +40°C.
3. The mobility of the silicone should be taken into account when determining the joint width.
4. Minimum joint size should be 5x5 mm.
5. For joints that are too wide, the joint depth should be half the width.
6. The joint depth can be adjusted at the desired level by using the joint filler rod.
7. In order to ensure sufficient contact with the surface, it should be smoothed by pressing with a silicone spatula within 5 minutes after the application. This process will both ensure better adhesion of the silicone and result in a better filling appearance.
8. Silicon that has not yet cured can be cleaned with cleaning thinner. Cured silicone can be removed mechanically.



TOOLS REQUIRED FOR APPLICATION

Silicone gun, caulking rod

4. PACKING INFORMATION

<i>PRODUCT</i>	<i>COLOR</i>	<i>VOLUME</i>	<i>PRODUCT per BOX</i>
CARTRIDGE	Transparent	310ml	24
CARTRIDGE	White	310ml	24
CARTRIDGE	Black	310ml	24
CARTRIDGE	Brown	310ml	24
CARTRIDGE	Gray	310ml	24
CARTRIDGE	Aluminium	310ml	24

5. STORAGE AND SHELF LIFE

Shelf life is 15 months if stored in its original sealed package at room temperature.

6. WARNING

- Does not hold paint on it.
- Since it needs moisture to cure, it should not be used in completely closed areas that are not in contact with air.
- It should not come into direct contact with food.

7. SAFETY INFORMATION

- Do not breathe.
- Irritating to the skin and respiratory system
- Long-term inhalation of the vapor released during curing may damage the respiratory system.
- Care should be taken to use it in sufficiently ventilated environments.
- Prolonged contact with uncured silicone should be avoided.
- Cured silicone poses no risk to health.

8. TECHNICAL FEATURES

Chemical Structure	Silicone Polimer(Oksim)
Curing Mechanism	Neutral
Density (Transparent & Aluminium)	1.02± 0.03 g/ml
Density (Other Colors)	1.20± 0.03 g/ml
Shore A (Hardness) (Transparent& Aluminium)	17-25 (28 Days Later)



Shore A Hardness (Other Colors)	22-32 (28 Days Later)	
Tensile Strength	$\leq 0,4$ N/mm ² (23°C and 50% R.H)	(ISO 8339)
Shell Formation	5-10min(23°C ve 50% R.H.)	
Curing Speed	Min. 2,5 mm/gün(23°C and 50% R.H)	
Elongation at Break (Transparent and Aluminum)	$\geq 400\%$	(ASTM D412)
Elongation at Break	Approx. %100	(ISO 7389)
d-(Other Colors)	0 mm	(ISO 7390)
Elastic Return	-60°C to +180°C	
Sag	+5°C to +40°C	