

Derby D34 Mirror Silicone

Derby D34 Neutral Mirror Silicone is a sealing and filling material that has a wide usage area in mirror assembly, PVC and aluminum joinery assemblies. Provides strong adhesion to most non-porous surfaces, including general building materials.

FEATURES

- Solvent free, 100% silicone.
- It does not emit acid odor during curing, it is odorless.
- It does not cause any staining or abrasion on the mirror after mirror assembly.
- Remains permanently elastic after curing.
- Provides excellent adhesion to non-porous surfaces.
- It does not crack, does not turn yellow, is resistant to the effects of aging.
- Resistant to detergents, cleaning materials and chemicals.
- It can be applied in all seasons.
- Resistant to UV rays.
- It does not cause corrosion on metals.

APPLICATION AREAS

It is used for bonding in mirror assembly and repair processes, glass-related decoration materials, and in many areas where ceramics is used.

USAGE

During application, the temperature should be between +5 °C and +40 °C. The mobility of the silicone should be taken into account when determining the joint width. The minimum joint size should be 5x5 mm. For joints that are too wide, the joint depth should be half the width. The joint depth can be adjusted at the desired level by using the joint filler rod. 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. It can be cleaned with silicone cleaning thinner, which is smeared and not yet cured.

SHELF LIFE

- 18 months if stored in its original sealed package at room temperature.



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IMPORTANT

- Since it needs moisture to cure, it is not in contact with air in completely closed areas.
- Cannot be painted.
- It should not be used in aquariums.
- It should not come into direct contact with food.
- It is not recommended to be used on porous surfaces such as marble, natural stone, concrete

SAFETY

Long-term inhalation of the vapor released during curing may damage the respiratory system. Therefore, prolonged contact with uncured silicone should be avoided in adequately ventilated environments.

TECHNICAL SPECIFICATIONS

Chemical Structure	Silicone Polymer	
Curing Mechanism	Oxime	
Intensity	1.03± 0.02 g/ml	(ISO 1183)
Shore A Hardness	20-30 (28 days later)	(ASTM C661)
Max. Stress	Min. 3N/mm ²	(ASTM D412)
Shell Formation	5-15 min. (23°C and 50% R.H)	(ASTM C679)
Curing Speed	Min. 2,5 mm/day (23°C and 50% R.H)	
Tensile strength	0,3N/mm ² (23°C and 50% R.H)	(ISO 8339)
Elongation at Break	> 500%	(ISO 8339)
Elastic Return	≥ 95%	(ISO 7389)
Sag	0 mm	(ISO 7390)
Temperature Resistance	-40°C to +120°C	
Application Temperature	+5°C to +40°C	





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PACKING INFORMATION

Product	Volume	Product Per Box
Derby D30 Aquarium Silicone Transparent	320g (280ml)	30

