

Derby D28 Universal Silicone

Derby D28 Universal Silicone is a general purpose and one component (acetic curing) sealing and filling material with wide usage area. Provides strong adhesion to most non-porous surfaces, including general building materials.

FEATURES

- Remains permanently elastic after curing.
- Cures as an acetoxy system.
- Provides excellent adhesion to non-porous surfaces.
- Does not crack, does not turn yellow, and is resistant to aging effects.
- Resistant to detergents, cleaning materials and chemicals.
- Can be applied in all seasons.
- Emits typical acid odor during curing.

APPLICATION AREAS

- At the joints of the building elements.
- For insulation and filling purposes in door and window gaps.
- Glass installation and assembly works.
- In the joints and joints of metal, glass, porcelain, steel, etc. materials.
- In applications in bathrooms and kitchens and in plumbing works.
- In the isolation of electrical materials, sockets and switches.

USAGE

- The temperature should be between +5 °C and +40 °C during application.
- 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.
- Silicon that has not yet cured can be cleaned with cleaning thinner.

SHELF LIFE

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



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IMPORTANT

- It is not recommended to be used on porous surfaces such as marble, natural stone, concrete.
- Since acetic acid is formed during curing, it should not be used on sensitive metals such as copper, brass, lead and mirrors.
- Cannot be painted over.
- It should not be used in aquariums.
- When exposed to direct sunlight, it may turn yellow.
- Since it needs moisture to cure, it should not be used in completely closed areas.

SAFETY

Long-term inhalation of acetic acid vapor released during curing may damage the respiratory system. Therefore, care should be taken to use it in sufficiently ventilated environments. Prolonged contact with uncured silicone should be avoided.

TECHNICAL SPECIFICATIONS

Chemical Structure	Silicone Polymer	
Curing Mechanism	Acetoxy	
Intensity	0.97± 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	> 350%	(ISO 8339)
Sag	0 mm	(ISO 7390)
Application Temperature	-40°C to +180°C	
Temperature Resistance	+5°C to +40°C	





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PACKING INFORMATION

Product	Weight	Product Per Box
Derby D28 Universal Silicone Transparent	280g (240ml)	30
Derby D28 Universal Silicone White	280g (240ml)	30
Derby D28 Universal Silicone Black	280g (240ml)	30
Derby D28 Universal Silicone Gray	280g (240ml)	30
Derby D28 Universal Silicone Brown	280g (240ml)	30

