

SILBIONE® MED ADH 4200 RTV

High Strength Adhesive

Technical Data Sheet n°1 – August/2019

Description

SILBIONE® MED ADH 4200 RTV is a single component silicone adhesive designed for medical applications where a high strength elastic bond to silicone, polyester, metals, Polyurethane, and other substrates is needed. **SILBIONE® MED ADH 4200 RTV** cures at room temperature by exposure to ambient moisture to form a tough, elastic bond. During curing, acetic acid is released as a by-product.

SILBIONE® MED ADH 4200 RTV contains no tin, solvents or plasticizers and is designed to self-level.

Key benefits

- Fast room temperature curing - No need for humidity chambers to accelerate cure
- Strong adhesion to numerous substrates commonly used in medical device industry
- Designed specifically for long-term implant applications

Typical properties

Properties	Unit	Value
Appearance		Colorless, clear to translucent
Tack Free Time	Minutes	8
Durometer	Shore A	26
Tensile Strength	psi	570
Elongation	%	668
Tear Strength	ppi	64
Specific Gravity		1.06

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Processing

Cure:

Surfaces to be bonded with adhesive should be pre-scrubbed thoroughly with a clean, soft sponge or soft-bristled brush in hot water-soap solution to remove possible surface contaminants. Do not use synthetic detergents or oil-based soaps. Rinse with copious amounts of hot water, then rinse with distilled water and dry thoroughly. Apply **SILBIONE® MED ADH 4200 RTV** adhesive and then mate the surfaces together with light pressure. A bond thickness of 0.010" minimum is recommended to achieve optimum strength. Initial cure is typically achieved in 10 minutes. Ultimate cure and optimal physical properties will be achieved after 24-120 hours at 25°C and ambient moisture.

SILBIONE® MED ADH 4200 RTV

Packaging

SILBIONE® MED ADH 4200 RTV is available in:

- 8 ounce cartridge
- 12 ounce cartridge
- 18 Kg Pail

Storage and shelf life

When stored in original packaging at a temperature of between 5°C (40°F) and 32°C (90°F), SILBIONE® MED ADH 4200 RTV may be stored for up to 12 months for date of manufacture. Comply with the storage instructions and expiry date marked on the packaging.

Beyond this date, Elkem Silicones no longer guarantees that the products meet the sales specifications.

Safety

Please consult the Safety Data Sheet of SILBIONE® MED ADH 4200 RTV.

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