SILBIONE MED ADH 4300

Description	**SILBIONE MED ADH 4300 RTV** is a single component silicone adhesive designed for medical applications where a high strength elastic bond to silicone, polyester and other substrates is needed. **SILBIONE MED ADH 4300 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 4300 RTV** contains no solvents or plasticizers and is designed to exhibit high thixotropy in thin sections, but self level in thick sections.
Examples of applications	• Medical (<30 day implantable) • Bonding unlike substrates
Key benefits	• Very high bond strength • Cures at room temperature • Ready-to-use, easy to apply

Typical properties

Properties	Value
Appearance	Colorless, clear to translucent
Tack Free Time, minutes	8
Cured 72 hrs./ 25°C	
Durometer, Shore A	24
Tensile Strength, psi (N/mm²)	780(5.4)
Elongation, %	650
Tear Strength, ppi (N/mm)	70 (12.3)
Cohesive/ Adhesive Strength, ppi (N/mm)	18 (3.2)
Specific Gravity	1.08
Cytotoxicity	Non-toxic

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of SILBIONE® silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

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Instruction of use	**SILBIONE MED ADH 4300 RTV** is a ready to use product. 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 4300 RTV** adhesive and then mate the surfaces together with light pressure. A bond thickness of 0.010" minimum is recommended to achieve optimum strength. Partial cure is typically achieved in 20 minutes. Ultimate cure and optimal physical properties will be achieved after 24-120 hours at 25°C and ambient moisture.

Packaging	• SILBIONE MED ADH 4300 is available in
	  o Piece of 1 PC
	  o Pail of 18 KG (39.69 LB)

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A Bluestar Company

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Storage and shelf life	When stored in its original packaging:
	SILBIONE MED ADH 4300 may be stored for up to 24 months from its date of manufacturing. Comply with the storage instructions and expiracy date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.
Safety	Please consult the Safety Data Sheet of: SILBIONE MED ADH 4300

Visit our website www.silicones.elkem.com