

# SILPURAN 4200 Medical-Grade Silicone Adhesive



## Description

Also available to buy online at [!\[\]\(666e09182d4cd268646ea700ea60dcdf\_img.jpg\) SHOP !\[\]\(1ef1ef0bf9af6c6996401964cf280f2d\_img.jpg\)](#)

**Wacker SILPURAN® 4200 Medical-Grade Silicone Adhesive** is a ready to use, non-slump to self-levelling, single part RTV silicone. Containing no organic plasticisers, SILPURAN 4200 is resistant to radiation, can be readily sterilised (EtO, gamma and steam) and is certified for biocompatibility in accordance with selected ISO 10993 and USP Class VI tests, making it well suited for medical applications where adhesion to silicone, high flexibility or excellent temperature resistance is required.

**SILPURAN 4200** is a pasty, but self-levelling compound that shows shear thinning behaviour, and can be applied manually or with automated dispensing systems, making it suitable for a range of production volumes. It is single part and cures at room temperature.

Upon curing/vulcanisation, **SILPURAN 4200** forms a silicone elastomer with outstanding mechanical strength, making it ideal for permanently bonding components of medical devices. Although SILPURAN 4200 is particularly suitable for bonding vulcanised silicone parts, it exhibits good, primerless adhesion to substrates such as glass, ceramics, metals, plastics and powder coatings.

**SILPURAN 4200** is designed for **medical applications** in compliance with WACKER Silicones health care policy. Properly cured SILPURAN 4200 can be used for **food contact applications** and is suitable for use under the Recommendation “XV. Silicones” of the BfR (German Federal Institute for Risk Assessment) as well as FDA 21 CFR § 175.300 and CFR §177.2600.

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## Features & Benefits

- ISO 10993 and USP Class VI compliant
- Primerless adhesion to most substrates
- Good weathering, UV and aging resistance
- Recommended service temperature ~ -50°C to 180°C
- Suitable for food contact use
- Sterilisable for single and repeated use
- Resistant to a large number of solvents and chemicals
- Catalyst is organotin free

## Applications

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- Bonding cured silicone parts
- Highly elastic bonding between silicone and textiles
- Catheters
- Tubing, drainage
- Seals, gaskets, O-rings, valves, membranes
- Respiratory care, anaesthetics, e. g. masks
- Prosthetic and orthotic devices

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## Specifications

Typical properties	
Colour	Translucent
Viscosity	250,000 mPa·s
Tensile strength	5.5 N/mm <sup>2</sup>
Hardness, Shore A	35
Tear strength	10 N/mm
Elongation	300 %


Safety Data Sheets
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# SILPURAN 4200 Medical-Grade Silicone Adhesive



For the latest SDS for this product, please e-mail [msds@intertronics.co.uk](mailto:msds@intertronics.co.uk)

## Ordering Information

Part number	Description
WACSIL4200-320G 	Silpuran 4200 320g (310ml) cartridge

Let's start by talking about your application

SILPURAN 4200 Medical-Grade Silicone  
Adhesive



01865



[orders@intertronics.co.uk](mailto:orders@intertronics.co.uk)

842842

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- 
- Tell us about your application

# SILPURAN 4200 Medical-Grade Silicone Adhesive



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