High Temp SI (DHS)

Properties	Value	Unit	Method / Remarks
Uncured Rubber:			
Crosslinking System	acetoxy		
Colour	red		
Tack Free Time	10 - 15	min	23 °C, 50 % RH
Consistency	non-sag		
Application Temperature	+5 to +40	°C	
Curing Speed	2 - 3	mm/24h	23 °C, 50 % RLF
Shelf Life	24	months	+5°C to +25 °C
Cured Rubber:			
Joint movement capability	25	%	
Hardness, Shore A	25		
Temperature Resistance (short time)	-40 to +300	°C	

Direction for use

The surfaces must be clean and dry, free of dust, dirt, oil, grease or the like. Clean non-porous substrates with organic solvents and a clean, white, non-fuzzing cotton cloth. Dry the surface immediately (before the solvent evaporates) with a second clean cotton cloth.

fischer High Temp SI shows good adhesion to most materials without using a primer on lots of non-porous, alkaline substrates such as glass, ceramic tile, glazed ceramic tile, enamel or clinker, on coated wood; on plastics such as Epoxy, Polyester, Polystyrene, anodized aluminium. For special substrates it is recommended to perform adhesion tests.

fischer High Temp SI may be discolored in contact with some organic elastomers, e.g. EPDM, APTK and neoprene. Among others not recommended for PE, PP and Teflon. It is not suitable for applications involving contact with natural stone e.g. marble, concrete, fibrated concrete or mortar as acetic acid is released during vulcanization. Because of corrosion the silicon should not come in contact with metals such as lead, copper, zinc or brass. The silicon is not suited for components permanently exposed to fuel.
fischer High Temp SI is not paintable.

Product Details

fischer High Temp SI is a one-component, acid-curing silicone sealant for universal use in elevated temperature applications up to +300 ° C. The product vulcanizes under the influence of humidity to a permanently elastic mass.

fischer High Temp SI is suitable for heat-resistant seals and adhesions in oven, heating and air conditioning systems.

The silicone is suitable for sealing joints in furnaces, fireplaces, boilers and joints on pipes and ducts subject to temperature and wall connections.

For further information on handling, please refer to the safety data sheet; this contains important information.
The application instructions in this technical data sheet and our technical advice on application, whether spoken or written, are given to the best of our knowledge but do not constitute either a warranty as to the nature or usability of the products or an independent or dependent promise or warranty declaration of any kind. We recommend to always check the suitability of our products for the intended use. Due to the wide variety of possible applications for each individual product and the unpredictable conditions at the place of processing, we recommend testing the function on the substrates before use.