

## PERMATEX HIGH TEMP RED RTV

### DESCRIPTION

Permatex High Temperature Red RTV is one component acid based silicone sealant. It withstands low and very high temperature. Skin formation after 15 minutes at room temperature. It offers exceptional resistance with mineral oils. It can work up to 300°C continuously. It does not contain a solvent.

### DIRECTIONS FOR USE

For assembly as a form-in-place gasket

1. Remove all previous material from mating surfaces.
2. For best results, clean and dry all surfaces with a residue-free solvent.
3. Cut nozzle to desired bead size.
4. Remove cap, puncture tube or cartridge seal and attach extension nozzle.
5. Apply a continuous and even bead of silicone to one surface.

It can be applied as gasket maker for mechanic joints and to resist oils and other chemical products, such as non – concentrated acids, as well as for sealing tanks and pipes of products of similar nature. Gearbox gaskets, car oil sump gasket ( crankcase, cylinder head cover . Not to be used as head gasket nor in direct contact with fuels and flammable elements.

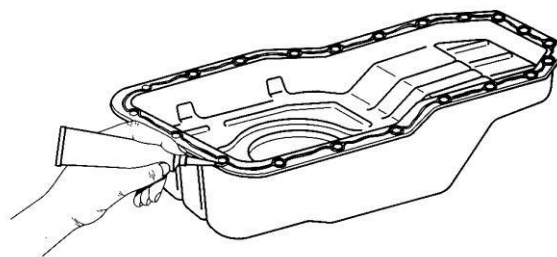
Once it is fully cured it withstand temperatures up to 300°C.

### PRODUCT BENEFITS

- Remains flexible in a wide range of temperatures and avoid leakage
- High stability in contact with industrial and engine oils.
- Ease to erase during disassembly and repair process
- Excellent air tightening effect.
- Excellent weathering resistance ( water , UV, temperature) as well as vibrations.

### TYPICAL APPLICATIONS

- Oil pans
- Transmission pans
- Valve covers
- Valves and guides
- Timing gear covers
- Differential covers



### TECHNICAL CHARACTERISTICS

Before use:	METHODS	SPECIFICATIONS		
		MIN.	TYPICAL	MAX
Appearance			Red thixotropic paste	
Temperature resistance			-70°C up to +343°C	
Continuous working temp.			-60°C up to +300°C	
Application temperatures <sup>1</sup>			+5 °C up to +35°C	
Extrusion speed (s)	20 gr, 2 mm nozzle, 2.75 bar	100	16	220
Slag (inch)	ASTM D 2202	0	0	0.2
Tack free time (min.)	K30027		10	
Curing rate, at 23°C, 50% RH				
(mm): 24 hr			3	
48 hr			5	
Density (g/cc)	ASTM D-1475		1.05	

<sup>1</sup> Due to condensations that might occur and affect adhesion, it is recommended against sealing on substrates at <5 ° C temperatures.

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Totally Cured product		SPECIFICATIONS		
7 days at 23°C and 50% RH	METHODS	MIN.	TYP.	MAX.
Hardness (Shore A)	ISO 868-2003		29	
Tensile strength (MPa)	ISO 37-2005		1.6	
E modulus at 100% elongation (MPa)	ISO 37-2005		0.6	
Elongation at break (%)	ISO 37-2005		285	

HEAT RESISTANCE: characteristics		SPECIFICATIONS		
after 1 week at 300°C	METHODS	MIN.	TYP.	MAX.
Hardness (Shore A) (%)	ISO 868-2003		33	
Tensile strength (MPa)	ISO 37-2005		0,8	
E modulus at 100% elongation (MPa)	ISO 37-2005		0,4	
Elongation at break (%)	ISO 37-2005		100%	

The information herein is offered in good faith based on KRAFFT's research and it is believed to be accurate. KRAFFT keeps the right to modify the specification without previous notice.