

# RTV853 Red Silicone

Engineering Adhesives

## DESCRIPTION

SCIGRIP RTV853 is a one component moisture curing gasket sealant for high temperature applications. RTV853 replaces almost any cut gasket, resists cracking, shrinkage and migration. Can be applied to dress paper or cork pre-cut shapes.

Typical Properties	
Type:	Polysiloxane based compound, Acetoxycuring
Consistency:	Non-Sag Paste
Colour:	Red
Specific Gravity	1.09g/ml
Viscosity @ 20°C	Thixotropic
Tensile Strength DIN53504	2.1Mpa
Elongation at break: DIN53504	400%
Temp Resistance:	-60°C to 260°C (300°C intermittent)
Application Temp Range:	5°C to 40°C
Tack free time:	15mins (23°C & 55% R.H)
Cure Speed:	1.5mm per day (23°C & 55% R.H)
Shore A Hardness:	29

## PROPERTIES

- Good adhesion to many substrates, like metal, glass and ceramic.
- High temperature resistant
- Solvent free, low shrinkage.
- Durable flexibility at low (-60°C) and high (+300°C Intermittent) temperatures.

## APPLICATIONS

Joint sealant in heating installations, air-conditioning and ventilation pipes, industrial ovens, cooking stoves, engines, crank-cases, water pumps and thermostats, rocker and valve covers, oil pans, rear axle housings and intake manifolds. Bonding of materials submitted to vibrations and high temperatures.

## LIMITATIONS

Avoid contact with solvent cleaners during cure.  
Do not use in joints deeper than 10mm.  
The colour may change after heat exposure.  
Hydrocarbon resistance should be established in tests.  
Not paintable

## DIRECTIONS FOR USE

Surface Preparation: Joint must be sound, clean, dry and free from oil and greases. Use A061 cleaner or a strong gasket remover.

Application: Apply with hand direct from the Powercan.

Cleaning: Clean up any excess material immediately with white spirit. Hardened sealant can only be removed mechanically or with sealant remover. Wash hands with soap and water.

## STORAGE & SHELF LIFE

Store in a cool area out of direct sunlight

Shelf Life: 18 months in original unopened packaging at +5 to +25°C



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## PACKAGING

200ml PowerCan

## HEALTH & SAFETY IN USE

Pressurised container, protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn even after use.

For further information please refer to SDS.

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