



**Dynatex®**

**Technical Datasheet**

**DYNA 47181**

*Revised Date: June 2011*

**Description**

DynaGrey Silicone Gasket Maker is a single component, room temperature vulcanizing, gasketing compound designed to provide reliable “formed-in-place” gaskets for mechanical assemblies. Material is a non-slumping paste that cures to a tough, rubbery solid at room temperature on exposure to moisture in the air. The product resists ageing, weathering and thermal cycling without hardening, shrinking or cracking. Designed to provide increased oil resistance, good adhesion and flexibility, sensor safe and non-corrosive.

**Applications & Characteristics**

- Valve Covers
- Transmission pans
- Oil Pump Flanges
- Sensor Safe
- Non-Corrosive
- Good Adhesion & Flexibility
- Makes any gasket instantly
- Timing Gear Covers
- Differential Covers
- Improved Oil Resistance
- Replaces most gaskets
- Non-Flammable
- Non-Toxic
- Low Odour

**Instructions for Use**

1. Remove all previous material from mating surfaces.
2. Clean & Dry all Surfaces with a residue-free solvent.
3. DynaGrey Silicone Gasket Maker is supplied ready to use. Cut nozzle to desired bead size, 1/16” to ¼” in diameter.
4. Remove Cap, puncture tube or cartridge seal and attached extension nozzle.
5. Apply a continuous and even bead of silicone to one surface, first taking the internal areas of the gasket configuration, then all surrounding boltholes. The paste-like consistency makes it easy to work; a spatula or wooden paddle ca be used to tool the surface.

**Typical Properties**

Type	Oxime Silicone, one part, non-slumping silicone paste.
Cure	Cure at room temperate by reaction with moisture in the air.
Operating Temperature	-65°C to 329°C
Primary Uses	Bonding, Sealing, potting, encapsulating and protective coating where parts must perform at high temperatures
Agency Approvals	ASTM D2240    ASTM D 412    ASTM D 746

**ACTIVE & INACTIVE METAL TABLE**

<b>Super Active</b> Very Fast Cure	<b>Active</b> Fast Cure	<b>Inactive</b> Slow Cure	<b>Passive</b> Primer Necessary
Brass, Copper, Magnesium	Iron, Steel, Nickel, Aluminium	Stainless Steel, Titanium, Zinc, Anodized Aluminium, Galvanised Steel	Ceramics, Glass, Plastics, Painted Finishes



**Dynatex<sup>®</sup>**  
**Technical Datasheet**  
**DYNA 47181**

*Revised Date: June 2011*

**As Supplied**

Colours	Grey
Flow/Slump	NIL
Extrusion Rate (1/8" orifice, 90 psi)	375g/min

**Cure Characteristics – exposure to air, 25°C and 50% RH**

Skin-over time	16-20 min
Cure time (1/8" thickness)	24 hours

**As Cured – after 72 hours at 25°C and 50% RH**

Durometer, Shore A	30 points
Tensile Strength	210 psi
Elongation	300%
Unprimed Adhesion (most Substrate*)	Good

\* Optimum Adhesion is obtained in 7 to 10 days curing time.

**Cure time**

DynaGrey Silicone Gasket Maker cures on exposure to moisture in the air. Material dries tack free in two hours and fully cures in 24 hours. Cure time will vary with temperature, humidity and gap.

**Clean Up**

- 1) Allow excess material to extend beyond the extension nozzle to cure, sealing and protecting the remaining product from moisture. For reuse, simply remove the cured plug from the tip
- 2) Remove uncured material from parts and hand tools with a dry cloth or paper towel.
- 3) Clean Hands with dry cloth or paper towel

**Presentation**

DynaGrey Silicone Gasket Maker is available in 108g Tubes and 312g cartridge.

**Storage**

When stored in original unopened container at or below 32°C, DynaGrey Silicone Gasket Maker has a shelf life of 12 months from date of shipment.

**Conversions**

- $(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
- $\text{N/mm} \times 5.71 = \text{lb/in}$
- $\text{MPa} \times 145 = \text{psi}$
- $\text{N/mm}^2 \times 145 = \text{psi}$
- $\text{N} \times 0.225 = \text{lb}$
- $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
- $\text{N}\cdot\text{mm} \times 0.738 = \text{lb}\cdot\text{ft}$
- $\text{mPa}\cdot\text{s} = \text{cP}$

**ACTIVE & INACTIVE METAL TABLE**

<b>Super Active</b> Very Fast Cure	<b>Active</b> Fast Cure	<b>Inactive</b> Slow Cure	<b>Passive</b> Primer Necessary
Brass, Copper, Magnesium	Iron, Steel, Nickel, Aluminium	Stainless Steel, Titanium, Zinc, Anodized Aluminium, Galvanised Steel	Ceramics, Glass, Plastics, Painted Finishes

The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Holdtite Australia and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the users responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the users responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.