



Industrial Chemicals
The Ultimate Choice

Z190

Superior Gasketing Compound

CORIUM Z190



Superior Gasketing Compound

- *Quality engineered to replace 98% of conventional expert gaskets.*
- *Forms different shapes & thickness with the press of a finger.*
- *Self-adhering & leak-proof.*
- *Free from corrosive acid & unpleasant odor.*

**TRUST
CORIUM
FOR**

*Ease of Application
Wide Versatility
Outstanding Physical
Properties*



TW
**PERFORMANCE
POLYMERS & FLUIDS®**

KOREA

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SPECIAL FEATURES

Corium Z190 Superior Gasketing Compound enables you to make instant replacement gaskets for virtually any application in your workshop, factory, installation or farm.

- **Corium Z190** is formulated to be a one-for-all gasketing sealant with numerous applications.
- **Corium Z190** is easy to use – simply press the trigger handle.
- **Corium Z190** has no negative effect on electronic components and sensors.
- **Corium Z190** is absolutely free from corrosive acid and unpleasant odor.

OUTSTANDING PROPERTIES

Corium Z190 is the superior gasketing compound that:

- Is translucent – preserve the original color of the parts and components
- Can be used to instantly replace damaged gaskets or add "extra insurance" to existing gaskets and seals.
- Offers excellent protection for electronic and electrical constituents.
- Withstands temperatures from -60°C up to 260°C (intermittently up to 315°C).

USE FOR

Corium Z190 replaces virtually every type of cork, felt, rubber, metal, paper and asbestos gasket.

Use Corium Z190 for:

- All Types of Flanges • Cover Plates • Hose Connections • Threaded Assemblies • Oil Pans and Pumps • Water Pumps and Housings • Thermostat Housings • Timing-case and Valve Covers • Transmission Pans • Camshaft Rear Covers
- Isolation of electrical & electronic constituents



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The information contained in this publication is to the best of our knowledge and accurate at the time of issue in October, 2016

CORIUM Z190 Superior Gasketing Compound

SUPER GASKETTING COMPOUND:

Corium Z190 is engineered to replace fully 98% of conventional, old-fashioned gasketing materials that offer limited life and performance. It replaces most types of cork, paper, asbestos, felt and metal gaskets and offer marked seal performance improvements.

Corium Z190 can be used on virtually all types of flanges, cover plates, hose connections and threaded assemblies, and is recommended for:

- Oil Pans & Pumps
- Water Pumps and Housings
- Thermostat Housings
- Timing-Case and Valve Covers
- Transmission Pans
- Camshaft Rear Covers

SUPERIOR FEATURES FOR MAINTENANCE REQUIREMENTS:

Corium Z190 can be used either to act as an "extra seal" gasket insurance, with existing gaskets; or as replacements for gaskets. It will perform the following applications easily.

Corium Z190 can be utilized to make:

- Formed-in-place oil pan, pump and electric motor gaskets.
- Gaskets for gearboxes, machine covers, gauges, and thermostat housings and to prevent oil and water leakage.
- Gaskets for electrical control boxes to seal out moisture and water.
- Quick, on-the-spot replacement gaskets
- Custom gaskets and seals for old or damaged motors, engines, pumps, power tools, machinery, etc.

It is also highly effective to form:

- Zero-thickness Gaskets to preserve crankshaft alignment (in chain saws, etc)
- Seals between steel channel and brackets of plating machines, to prevent corrosive plating liquids from oxidizing bolt threads.
- Gaskets and seals for rear axle assemblies.
- Seal covers for electronic and optical units to waterproof them.

Corium Z190 can also be used to weatherproof, protect and insulate in such applications as:

- Improving or replacing tractor and truck cab door and window seals.
- Filling slots in lathe collets.
- Insulating high voltage wires.
- Sealing and waterproofing cable connectors, motors, switches, Windings and cover plates.
- Potting electrical power supplies, strobes and lamps.
- Sealing electrical wires that run through walls.

HOWTOAPPLY

Corium Z190 replaces virtually every type of cork, felt, rubber, metal, paper and asbestos gaskets and can be used on flanges, cover plates, hose connections and threaded assemblies.

APPLICATION:

1. Remove old gasket or gasket sealant with Corium Z187 Gasket Remover.
2. After removal, thoroughly clean surface to remove oil or grease with Corium 123.
3. Let surface dry.
4. Press the trigger handle & apply a thin continuous bead to one surface. Ensure to encircle all bolt holes.
5. Wait about 7 minutes (skinning time of Corium Z190) before bonding.

Special Note:

Corium Z190 requires humidity for curing. Normally, it cures at room temperature and relative humidity of 50% at a rate of approximately 2mm/day. A change in the temperature or humidity directly influences the cure speed. High temperature or humidity results in a faster curing rate. Low temperature or humidity results in a slower curing rate.

TYPICAL DATA:

In Liquid Condition:

Color & Appearance	Translucent, thixotropic paste
Density	1.04 g/cm ³
Extrusion Rate: (at 25°C, 6 bar, 3.2mm opening)	> 1000 g/min.

In Hardened Condition

Tensile Strength	2.0 N/mm ²
Ductile Yield	270%
Skinning Time	7 minutes
Dry Surface	40 minutes
Curing Process	□2mm / 24hrs at 50%rF
Thermal Conductivity	0.002 Jcm ⁻¹ S ⁻¹ K ⁻¹
Dielectric Constant @ 1 MHz	2.8
Operating Temperature Range	-60 °C to 260°C intermittently up to 315°C

PACKAGING & STORAGE

Pack-size: 200 ml pressurized can / 12 cans per case

Protect aerosol container from sunlight and do not expose to temperatures exceeding 50°C. Keep away from any flame or source of sparks or of ignition. Do not puncture or burn after usage. Store in a dry and ventilated area, at temperature over 5°C.

PRECAUTIONS

For safety instructions, please refer to the Material Safety Data Sheet. This product is flammable. Avoid contact with skin and eyes. This material and its container must be disposed of safely.

Pressurized aerosol container: Protect from sunlight and do not expose to temperatures exceeding 50 °C. Avoid contact with skin. Do not pierce or burn, even after use. Keep out of the reach of children. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – do not smoke while spraying. Do not breathe spray. In case of insufficient ventilation, wear suitable respiratory equipment. If swallowed, seek medical advice immediately and show this container or label. Use this aerosol product only for the applications for which it is intended.

Warranty: Magna Industrial Co. Limited will replace any material found to be defective. Because the storage, handling and application of this material are beyond our control we can accept no liability for the results obtained.

Disclaimer: All information on this data sheet is based on laboratory testing and is not intended for design purposes. Magna Industrial Co. Limited makes no representations or warranties of any kind concerning this data.