

CORIUM 4060

“Rapid Repair” Machinable Sealing & Filling Compound

Corium 4060 is an advanced Sealing. Filling & Repairing Compound that is handy to use, provides reliable results effortlessly and which can be used on parts made of steel, copper, aluminum, cast iron, stainless, galvanized, brass and chrome. It will even seal and repair cracks on hard surfaces like porcelain, enamelware, glass and ceramics.

No special tools or training is required to successfully apply this product and if desired, Corium 4060 can be machined, drilled, filed or tapped after fully curing. Cure time is extremely rapid and, depending on ambient temperature, most repairs can be completed in as little as 5 to 15 minutes, with full cure and maximum hardness obtained within 60 minutes. As Corium 4060 is not affected by moisture, it can even be used to seal damp surfaces and even surfaces submerged in water, such as sluice gates, canal and pumping equipment, submerged pipes and boat bilges, swimming pools and ornamental fountains, etc.

Some of the many advantages of Corium 4060 over alternate repair methods, such as soldering or welding, include:

- The product will not rust or oxidize;
- It is resistant to most chemicals, is extremely corrosion resistant and can be used in fuel delivery piping, chemical lines, etc...
- It is dependable, yet easy-to-use and cures rapidly thereby eliminating the need in most cases to support or bracing of parts while awaiting hardening of the repair compound.
- Corium 4060 can be used a portion at a time, depending on the amount required for each specific application and is therefore economical and there is no waste or deterioration of remaining unused portions as is common with most ordinary sealants.

- The product is completely self-contained in a handy plastic tube and is therefore highly portable for use for on-site jobs, without the need for support tools or equipment. It can be applied rapidly by hand - simply knead the compound to hand-mix, and press into part to be sealed or filled.
- Corium 4060 is extremely versatile and can be used for hundreds of diverse applications, including uses as a sealant or joining adhesive, putty for building-up parts and voids. It works well on most metal repairs, non-ferrous and even non-metal applications on hard surfaces, such as, PVC, glass, wood, concrete, ceramic, brick, tile, porcelain and plastic surfaces and parts.

WORK PRECAUTIONS

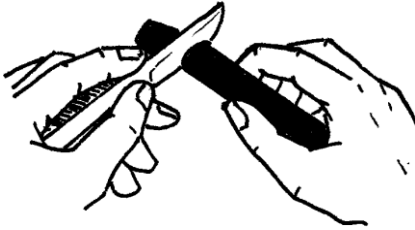
For simple and straightforward applications, Corium 4060 can be safely applied by hand without the need for special safety equipment or clothing. However, on applications where the operator may be exposed to the product for long durations, surgical gloves are recommended. Hands and parts of the skin exposed or coming into direct contact with Corium 4060 should be thoroughly washed with soap and water,

TECHNICAL SPECIFICATIONS

- INITIAL CURE: 5 - 15 minutes
- FULL CURE: 60 minutes (@20°C)
- TENSILE STRENGTH: 8,200 p.s.i. (5.77kg/mm²)
- COMPRESSIVE STRENGTH: 19,000 p.s.i. (13.36kg/mm²)
- SHEAR STRENGTH: 950 p.s.i. (0.67kg/mm²)
- SHORE "D" HARDNESS: 90
- OPERATING TEMPERATURE: Up to 392°F (200°C)
- SHELF LIFE 2 YEARS

HOW TO APPLY

Corium 4060 is extremely easy to apply without requiring special equipment or tools or training.

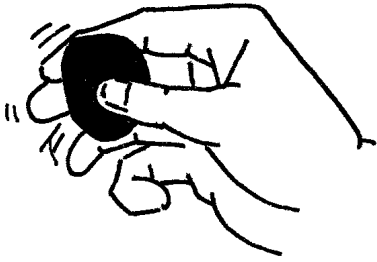


1. **Cut off portion required for repair application.**



2. **Thoroughly knead to enable Corium 4060 to mix.**

1. Uncap the tube holder.
2. Remove Corium 4060 from its plastic protector and peel off the foil paper at one end. (This should be replaced after cutting off the portion required for immediate use).
3. Use a knife or a pair of scissors and cut off a portion of Corium 4060 sufficient for the repair.
4. Mix the Corium 4060 by kneading the portion thoroughly with your fingers or by rubbing the Corium 4060 with your palms on a flat, clean, oil-free surface.
5. The Corium 4060 will give off a slight amount of heat when kneading.
6. Work the Corium 4060 into the part(s) to be repaired



3. Re-shape Corium 4060 to desired shape for applying.

or sealed. Press the product firmly into the piece to be repaired to ensure it fully covers the area and to enable Corium 4060 to work into any recesses present.

7. Re-shape the Corium 4060 rapidly to the desired shape (within 2 to 5 minutes of initial mixing).
8. Should a smooth surface finish be desired, hand rub the Corium 4060 with some water or use a damp spatula to smooth out any rough edges or ribs. (You must do this within 5 minutes of initial mixing).
9. Corium 4060 attains full cure in 60 minutes and can then be machined, filed, tapped, drilled, etc.

(Corium 4060 can be painted over after full cure is obtained.)

MAGNA INDUSTRIAL CO. LIMITED

Total Quality Maintenance

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MATERIAL SAFETY DATA SHEET

DATE 01 Aug 2014

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code CORIUM 4060

Company Identification

Omega Manufacturing Division,
Magna Industrial Co. Limited,
1801, Guardian House,
32 Oi Kwan Road,
Wanchai, Hong Kong.

Distributor

Alshawi Trading,
Block 351, Road 51, Bldg 20, Manama - Bahrain.
www.alshawitrading.com
info@alshawitrading.com
P.O.Box 33526

Telephone (852) 25775187
Fax (852) 25773190

Telephone (973) 1755 0019
Fax (973) 1755 5108

SECTION 2 - HAZARDS IDENTIFICATION

Not classified as hazardous.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>Wt.%</u>	<u>Classification</u>
Magnesium Silicate	14807-96-6	35-45	-
Copper	7440-50-8	10-20	-
Epoxy resin	25068-38-6	10-20	Xi;R36/38, R43, R52/53
Epoxy resin	28064-14-4	10-20	Xi;R36/38, R43, R52/53
Hardener	Proprietary	5-10	-
2,4,6, Tri(dimethylaminomethyl) Phenol	90-72-1	1-2	-

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SECTION 4 - FIRST-AID MEASURES

Eye Contact: Flush with plenty of water for at least 15 minutes. Seek immediate medical attention.

Skin Contact: Irritation for very sensitive skin.

Inhalation: N.A.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Waterfog, foam, sand and carbon dioxide.

Special Protective Equipment for Fire Fighters: None required.

Unusual Fire and Explosion Hazards: Dense smoke.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Clean with soap and water. Dispose of in accordance with local and national regulations.

SECTION 7 - HANDLING AND STORAGE

Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: None required for normal use.

Hand Protection: None required.

Ventilation: Normal.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown stick with grey core

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Odour: None
pH: N.A.
Specific Gravity: 1.9
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point: N.A.
Flash Point: None
Flammability: N.A.
Evaporation Rate: N.A.
Solubility in Water: Insoluble

SECTION 10 - STABILITY AND REACTIVITY

Stable

Materials to Avoid: None for normal use

Toxic compounds may form on thermal decomposition. Hazardous combustion products: Aldehydes, acids, carbon dioxide, carbon monoxide, oxides of sulphur and nitrogen by pyrolysis.

SECTION 11 - TOXICOLOGICAL INFORMATION

There is no lethal dose information available.

Inhalation: N.A.

Skin: May cause irritation for very sensitive skin.

Eyes: Cause irritation.

Ingestion: Not a likely route of exposure. If swallowed, may cause irritation in mouth and stomach, thirst, nausea, vomiting, diarrhoea, with possible collapse if large amounts ingested. Aspiration of material upon vomiting may cause chemical pneumonitis.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available at present.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Comply with all local and national regulations regarding disposal.

SECTION 14 - TRANSPORT INFORMATION

UN Number : Not regulated

IATA Class : Not regulated, Packing Group: Not regulated

IMDG Class : Not regulated, Packing Group: Not regulated

Not considered hazardous for transport purpose.

SECTION 15 - REGULATORY INFORMATION

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SECTION 16 - OTHER INFORMATION

R-phrases: R36/38 – Irritating to eyes and skin.

R43 – May cause sensitisation by skin contact.

R52/53 – Harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment.

S-phrases: S28 – After contact with skin, wash immediately with plenty with water.

S37/39 – Wear suitable gloves and eyes/face protection.

S61 – Avoid release to the environment. Refer to special instructions/safety data sheet.

Remarks: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.