

General Corrosion Preventive



Tectyl™ 502-C

-  **Effective Corrosion Resistance**
-  **Gearbox Protection**
-  **Ideal for Storage & Shipment**
-  **Transparent Coating**
-  **Soft, Greasy Film**



Description:

Tectyl™ 502-C is a premium, solvent cutback, soft wax/oil-based corrosion preventive compound. Specially developed to protect the insides of gearboxes and gears without the need for removal after installation, as well as ferrous and non-ferrous parts during indoor or covered storage and shipment. The cured film is dark amber, transparent, soft, and greasy.

Properties:

Tectyl™ 502-C forms a soft protective film that maintains lubrication properties while providing corrosion resistance. The formulation allows the coating to remain stable on internal components and moving parts without hardening. Its penetrating nature supports coverage of complex mechanical assemblies and internal metal surfaces.

Advantages:

- ▶ Provides combined corrosion protection and lubrication
- ▶ Suitable for internal mechanical components
- ▶ Remains soft and stable during operation
- ▶ Protects ferrous and non-ferrous metals
- ▶ Ideal for storage and transport protection

Application areas:

- ▶ Internal gearbox and gear protection
- ▶ Mechanical transmissions and drive systems
- ▶ Stored machine components and spare parts
- ▶ Industrial metal parts during shipment
- ▶ Equipment components requiring protective lubrication



Product	Tectyl 502-C
Base Chemistry	Wax/Oil
Carrier	Solvent
Application Method	Dipping/Spray/Brushing

Colour	Amber
Indoor Protection (months)	24
Outdoor Protection (months)	6
Packaging	PL 20L



Advised application for Tectyl 502-C is a low pressure airspray application, dipping or with brush.

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502-C

Applicator:

Low pressure airspray system:

- ▶ A low pressure air spray gun mounted with a 1.2 mm nozzle.
- ▶ Pump ratio between: 1:1 till 3:1
- ▶ Pump material: normal carbon steel
- ▶ Packings: PE and/or PTFE
- ▶ Recommended spraying pressure: 2 – 5 bar
- ▶ Recommended air pressure: 4 – 6 bar
- ▶ Material hose diameter: ¼" at 7.5 meters
- ▶ Air hose diameter: ¼" at 7.5 meters
- ▶ Clean equipment after spraying: white spirit



Pump example:

If a pump is required our advice is a Graco low pressure air spray pump with a ratio of 1:1 till 3:1. A good example is a graco Fireball 1:1 or a Eagle 3:1.

Tectyl 502-C is also suited to be applied by all low pressure application equipment, like low pressure sprayguns, it is even possible to apply by brush and dipping.



Application:

- ▶ Make sure the transmission or gearbox is clean and empty of oil.
- ▶ Fill the transmission with Tectyl 502-C for around 50% of the oil capacity of the transmission. (E.g. when the transmission normally is filled with 30 liters of oil, 15 liters of Tectyl 502-C is needed.)
- ▶ Close all plugs and make sure the fluid can not exit the transmission.
- ▶ Rotate the transmission at least 3 full rotations (1080 degrees) together with the transmission axles at the power intake to make sure that the Tectyl 502-C has covered an area as large as possible.
- ▶ Place the transmission back in the starting position and drain the Tectyl 502-C from the transmission.
- ▶ Now close the transmission at the drainplug and at the filling opening.
- ▶ The transmission is now protected and can be shipped and stored.

Tectyl 502-C drained from the clean transmission can be used again in another transmission when filtered with a 60 mesh filter (250 microns filter).

When the transmission is ready for usage, fill the transmission with the recommended oil capacity. Tectyl 502-C will dissolve in the oil and will be drained with the first drain interval needed.

No removal of the protective layer is needed when taking the transmission into use. The thin layer will dissolve in the transmission oil and will be drained with the first service interval.

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