

KORING 141*Cleaning and Preservative Liquids***General:**

Cleaning and preservative liquids KORING 141 are light yellow to slightly brownish low-viscosity liquids. It is a mixture of desulfurized and dearomatized liquid hydrocarbons, anti-corrosive inhibitors and other additives.

All product variants are designed for cleaning and preservation of metal products. The KORING 141 series agents are designed for corrosion protection of ferrous metals as well as all non-ferrous metals and their alloys.

The agents are used in between production operations, during repairs and assembly, and for final cleaning and preservation in the final stage of product finishing. Cleaning and preservative liquids are designed for washing the machined surface and for long-term protection. The agents evaporates. They leave a micron protective film of corrosion inhibitor on the surface, which in the vast majority of cases does not need to be removed. The liquids are produced in three modifications:

M – has excellent cleaning and degreasing properties, with a protection period of approximately 1 year. It is mainly used for production cleaning and degreasing and for inter-operational protection.

K – has excellent cleaning and degreasing properties, with a protection period of more than a year. It is used for cleaning and degreasing, both for inter-operational protection and for shipment and storage protection in climatic conditions that are not extreme (not the tropics or overseas shipping).

V – has good cleaning and degreasing properties and provides a corrosion protection period of up to several years. It is mainly used for simultaneous cleaning and shipment and storage preservation also for extreme conditions. If surface treatments are to be applied to the surface on the product, it is advisable to test and, if necessary, wash the protective layer. This is done with cold organic solvents or water-based agents at temperatures above 40°C.

Methods of Application:

KORING 141 cleaning and preservative liquids can be applied by painting, roller coating, sponging, air or airless spraying, or dipping.

The agents in the most cases could be combined with process oils as well as other preservatives (however, an operational test is required).

Examples of Application:

Cleaning and protection of products of engineering, metallurgical, tooling, electrotechnical and other industries for inter-operational storage, during transport and long-term storage. In addition to degreasing, cleaning and long-term corrosion protection, the products are also suitable for loosening rusted joints and removing incipient pitting corrosion.

Warning:

- These are agents that are between Class III and Class IV flammability. Avoid contact with fire and sparks when working.
- Vapours are heavier than air and can form an explosive mixture with it.
- In the case of spray application, good ventilation must be ensured.
- Before applying a final finish, such as paint or varnishing, a test should be carried out to check that the inhibitor does not reduce the adhesion of the finish. If so, it should be washed either with a water-based detergent at a temperature above 40°C or with industrial gasoline and similar solvents.
- Zinc alloy and zinc galvanized surfaces have the lowest corrosion protection efficiency.

Advantages:

High cleaning capacity integrated with protective efficiency at low consumption, relatively long-lasting protective action, wide limits of miscibility with preservatives, fuels and operating media, easy or no removal after protection.

Packaging:

KORING 141 cleaning and preservative liquids are delivered in 25, 50, 60 l plastic containers or 200 l drums. On the customer's request, it is possible to deliver at least 10 l of the agent by mutual agreement or products otherwise modified according to an order.

Storage Life:

Storage life of products is 24 months in the original packaging in stores at temperatures from 5 °C to 30 °C without being exposed to direct sunlight. The principles of work with Class III combustibles must be observed during storage.