

KORING 711-2*System Cleaner for Tooling Machines***General:**

KORING 711-2 concentrate is a yellow-brown liquid containing a mixture of surfactants, corrosion inhibitors, passivators and auxiliaries. The product is used for washing, degreasing, cleaning, disinfection and preservation of tooling machines and their circuits that work with machining emulsions. The agent provides several functions simultaneously. It removes residues of old spent emulsions from the machine, loosens and washes away dusty metal particles that are deposited in the machine, disinfects the machine from microbial contamination and protects against corrosion. The concentrate is diluted with water in the prescribed ratio and then filled into the circuits for the circulation of machining emulsions. Thanks to the rich foam formation, the cleaning solution reaches even the less accessible areas. The diluted agent can also be used for direct application by coating or spraying.

The system cleaner can be used at a temperature from 15°C to 60°C. The speed of its effect increases with temperature. The system cleaner is biodegradable.

Methods of Application:

Before use, the product must be diluted with water in a ratio of 1:40. Tap water can also be used for dilution. However, it is necessary to bear in mind that it contains salts, some of which may remain in the machine even after the discharge of the agent and then adversely affect the properties of the new machining emulsion. Therefore, where machining emulsions are made from distilled, demineralised or deionised water, use the same water for dilution of the product.

The machine circuit can be used directly for dilution (if the required volume of the entire circuit is known) or the application solution can be prepared in a separate container and filled into the circuit in the required quantity.

After filling the circuit, the solution is allowed to circulate through the device. At temperatures around 50°C, it usually takes a few minutes to clean the machine. At temperatures below 20°C, the time required can extend to tens of minutes or hours. It is usual that if the agent is applied directly to the old emulsion, it is left in the machine for a day or two. Then check the condition of the machine and its circuit visually.

If necessary, the agent can be diluted with the old emulsion that is in the machine and drained after cleaning the machine. However, this method will not provide as high cleaning as if the old emulsion is drained and only the cleaning solution itself is used for cleaning.

If there are places on the machine where the product has not reached even by foaming, these places can be cleaned manually (if accessible) or with a pressure washer (high-pressure cleaner).

After cleaning, remove the used solution from the machine thoroughly. The reason is that when investing in cleaning, it is pointless to contaminate the new emulsion with the residue of previous impurities.

The solution provides protection against corrosion of ferrous metals and at the same time has the ability to dissolve incipient pitting corrosion. However, this protection is short-term as new emulsions can dissolve it. If it is necessary to increase corrosion protection and at the same time, wash the residues of the system cleaner from the machine, the machine circuit can be flushed with the KORING FE-2600 ferrous metal passivator or other suitable compatible agents after cleaning.

Warning:

1. The corrosion inhibitors and passivators used are water soluble. Thus, if they are washed with water, they may be dissolved and washed away, and the preservative effect is lost.
2. The agent has the ability to dissolve paint.
3. Test the suitability of this product and its effects before use.
4. Dilution with water may cloud the solution. Cloudiness does not affect functionality.
5. Do not expose KORING 711-2 and its solutions to temperatures above 60°C.
6. Do not store in PET containers and styrene copolymers. It interferes with some rubber compounds.
7. Use personal protective equipment when working. Use protective goggles and alcohol resistant gloves when handling the concentrate.

Packaging:

KORING 711-2 concentrate is supplied in 25 l, 50 l plastic (PE) canisters, 200 l drums and 1m³ IBC containers.

Advantages:

Easy application, contains vapour corrosion inhibitors, versatility in the technologies used, biodegradable. The liquid simultaneously serves as a washing and anti-corrosion preservative. It has an antimicrobial effect.

Storage Life:

Storage life of products is 12 months in the closed packaging at temperatures up to 30 °C without being exposed to direct sunlight.