

KORING 755-1*Aluminium Polishing Agent – Concentrate***General:**

The product is designed for both manual applications and for use in industrial washing machines, as well as for use in tumbling machines.

The product is used to wash and clean the surface of aluminium alloys and at the same time creates a protective layer on its surface. This layer has increased not only chemical but also mechanical resistance to abrasion and wear.

The product removes not only surface contamination, including grease stains and coatings, but also the products of chemical reactions that occur during machining and processing or use.

By using the product, the surface of the aluminium product is cleaned, visually brightened and at the same time the product is better protected against external conditions.

Methods of Application:

When manually cleaning the surface of aluminium products, the concentrate is diluted with distilled (demineralised) water in a ratio of 1:8 to 1:20. The appropriate dilution ratio needs to be tested for the specific application, conditions and technology chosen. The agent is applied to the surface of the aluminium product using a suitable absorbent cloth, sponge, etc. in a case of manual application. The surface is washed with the agent and left for a few minutes to allow the surface chemical reaction to take place. The reaction continues as long as the surface is wet. Once the desired effect has been achieved, the residue is washed off the surface with clean water to prevent the formation of optical spots. Washing does not disturb the protective layer formed.

When used in industrial washing machines, both carousel and continuous, the concentrate is diluted with water in a ratio of 1:50. It is preferable to use demineralised or deionised water for dilution because of the resulting surface cleanliness. If washing is carried out without elevated temperature, the necessary reactions take up to several minutes. At elevated temperatures, the time required for washing and chemical reactions is in the tens of seconds. The concentrate does not contain a defoamer, so for industrial washers a suitable type of defoamer is usually required to be supplied to the bath.

If the cleaning of the surface of aluminium products is carried out in tumbling machines, the concentrate is diluted with water in a ratio of 1:50. The solution is then dosed in the usual quantity to the products and to the tumbling bodies. If this is required in the process, the products are rinsed with clean water after the tumbling process.

Examples of Application:

1. After machining, the surface is greasy and grey from the machining emulsion.
2. After pressing, there are residues of lubricating agent on the surface of the product.
3. After welding, the weld area is blackened after the reaction with the electrode.
4. The surface is fouled by the external environment or by manual handling.

Warning:

The agent is highly corrosive to iron alloys! Therefore, it is required to work with it in stainless steel equipment, or in equipment that is not made of corrosive material such as glass, plastic, or ceramic.

If the product is used in industrial spray washers, a suitable defoamer must be added if the process requires it.

If there is a long-term settling and complete drying of the product, it is necessary to wash such a place regularly with water so that a layer of dried product does not form.

Storage Life:

Storage life of products is 2 years in a closed container, without being exposed to direct sunlight.