

KORING 892-6 Welding Separator

General:

KORING 892-6 is world unique fast biodegradable, water borne, and high efficient welding separator. Simultaneously it contains corrosion inhibitors (VCIs) and passivators that give effective protection for welded material not only from a point of view tack free properties but anti corrosion treatment as well. Its anti corrosion protection is so good it can be used as long term protecting treatment. (Till a moment it is on a surface, steel is protected from corrosion.)

Product does not contain silicones, graphite, chlorinated olefins or fluorocarbons.

Separator protects the weld and its surroundings against sticking of molten metal droplets. Its effectivity is up to 95 %, to compare 70 % of oil based separators. When is welding finished, droplets can be easily knock down or dust off without leaving a mark on material.

Product is applicable for all welding processes on steel.

Application:

Before use, there is appropriate separator to shake or mix. Separator is a mixture of short and long chain molecules, creating genuine and imitation solutions simultaneously and some of them should appear as turbidity. It hasn't any influence on application properties and there isn't any clogging of filters and nozzles. The all molecules are smaller as 1 µm.

The separator is applied to the weld and its surrounding by spraying (manual or robotized), by dipping, brush or sponge. The deposited metal droplets on the surface of the welded parts after welding can be removed with a brush or brush or spatula.

Subsequent advantage of this product is it can be used as anti corrosion treatment. It means welded parts are pretreated by separator, stored in a warehouse, and only when they are needed, they are welded together. Or after welding is on the new created weld added-on separator and then the parts are stored in the long-term storage. Used corrosion inhibitors would decrease 3% for one year, if is material stored in a covered warehouse. Therefore, it is possible in this way to protect the material for up to 10 years.

Material (steel) is protected so long till separator is washed out. Welding separator can be washed from surface by polar solvents as is ethanol, acetone, etc. but the best is washing by water. Water from the water mains decomposes separator within seconds. The process can be accelerated by using hot water or by pressure water washing.

Advantages:

- Separator was tested by a number of international manufacturers of welding equipment, several independent welding institutions and international manufacturers. It was rated as the best in the European market.
- It contains passivators which protects the metal surface by chemical reaction.
- It contains corrosion inhibitors.
- Material is protected against corrosion till separator is on a surface (isn't washed out).
- Welding separator isn't toxic.
- It has degreasing and lubricating properties simultaneously.
- Separator is fast biodegradable and it decomposes with water from water mains.
- Can be easily washed from a surface of the material by water.

Warning:

Separator Koring 892-6 is irritants because it has a degreasing ability. Therefore protect hands by gloves, eyes by goggles, and wear appropriate work clothing. In a contact with skin, wash with clean water after work without the use of soap and then apply a regeneration cream. If swallowed, do not induce vomiting, drink plenty of clean water and consult a physician. In case of contact with eyes, rinse with plenty of clean water and consult an ophthalmologist.

The separator must be stored in plastic PE containers.

Due to the anticorrosive active ingredients, which can cause a color change of the metal surface there is necessary prior to deployment into production execute verification tests.

Don't dilute the separator! It is in ready to use concentration. Diluting leads to deterioration of performance and loss of anticorrosive effect.

To wash separator, do not use the standard industrial solvents such as technical petrol.

Active substances:

A mixture of esters of higher fatty acids, and benzamine corrosion inhibitors.

Packaging:

The separator is shipped in 1 m³ IBC containers (1 000 l). In agreement with the customer it can be supplied in different packaging.

Storage:

Store in PE plastic containers out of the reach of radiant heat and UV rays. Storage temperature is 4-40 ° C.

Shelf Life:

2 years in sealed container.