

011464 Ag/AgCl Ink for reference electrode (2.0mL)

1. SPECIFICATION

Contents	2 mL
Theoretical Coverage (Dry)	24 m ² / kg @ 6.35 μm
Surface Resistivity	0.2 Ohm / Sq / 25.4 μm Dry
Consistency (Brookfield viscosity)	50 ± 10 Pa·s @ 21.1 °C, 4 RPM



2. HOW TO USE

- 2-1. Before use, Ag/AgCl Ink is thoroughly mixed to a uniform consistency.
- 2-2. Obvious stains and deposits may cause Ag/AgCl Ink come off, so be sure to wash them thoroughly. Even if the applied area looks good, oxides may adhere to it, so just in case, lightly wash it with alcohol and dry it before using.
- 2-3. For the coating of the reference electrode in a small area, use a soft palette as a thin head of the toothpick.
- 2-4. For use, only paint and dry. It is ready for use, after dry for half day to one day, to avoid the dust stick. If the material used has not a low melting point, such as plastic or rubber material, drying at 120 degrees for about 5 minutes in an oven, it will be more quickly and strongly fixed.

3. NOTES

- 3-1. Use of a high-speed/high-shear mixing device is not recommended, as it may grind the container base or sidewalls, whip in excessive air (artificially decreasing the apparent viscosity and affecting processability), and compromise product integrity.
- 3-2. This product can be used as is without dilution. Ag/AgCl inks diluted and prepared by yourself are not covered by the quality guarantee.
- 3-3. This product requires a sufficient amount of chloride ions in the supporting electrolyte to function as an Ag / AgCl reference electrode. If there are not enough chloride ions, AgCl will dissolve into the solution and the electrodes will become unstable. Add a sufficient amount of chloride ion to the electrolyte solution. If it is difficult to add a sufficient amount of chloride ions directly, use a sample holder.
- 3-4. The potential may become unstable if it is directly immersed in acid or alkali. It is recommended to use a sample holder to obtain a stable potential when measuring acid or alkaline solutions.
- 3-5. Please note that it dissolves in organic solvents such as acetone and ethanol.
- 3-6. After coating the metal surface, if there is an uninked area, the underlying metal will react and affect the stability of the potential. It is recommended to apply the Ag/AgCl Ink in full area which will be in contact with the electrolyte solution.
- 3-7. If you do not use Ag/AgCl Ink for a long time, close the lid tightly with a parafilm and store it in a refrigerator to prevent it from drying out.

You can also refer the following web site:
<https://www.als-japan.com/1391.html>

BAS Inc.

<https://www.als-japan.com> email: sales@als-japan.com