



Seeds refer to the adhesion of foreign matter on a paint film.

Seeds originate from iron particles, a furnace, dust, pigments, and flocculation among others.

Q1:

Seeds due to rust formation prior to the coating process or during handling after chemical conversion.

(Use care especially during the rainy season and other humid seasons.)

A1:

- Before processing, keep workpieces under careful control.
- Shorten the time interval between chemical conversion and rinsing.
(If the line stops because of a problem or other reason, rinse the workpieces immediately using a hose or the like.)
- Avoid extended exposure of the workpieces after the pretreatment process.

Q2:

Seeds due to iron particles on a horizontal surface after chemical conversion.

A2:

- Enhance rinsing before electrodeposition to wash iron particles away.
- Reduce iron particles carried into the chemical conversion bath.

Q3:

Seeds originating from iron particles, dust, and paint adhering to the substrate in the electrodeposition bath during electrodeposition.

A3:

- Optimize the flow in the electrodeposition bath, remove the causes of seeds, and implement preventive measures to control the rising of the cause.
- Enhance stirring at stagnant corners to prevent settling.
- Reduce dust carried in.

Q4:

Adhesion of flocculation seeds to the substrate in the rinse system.

A4:

Refrain from overspraying to prevent flocculation.

Q5:

Adhesion of flocculation seeds to the substrate in the dip-and-rinse bath outside the UF recycle system.

A5:

Control the pH of the rinsing bath to a somewhat low level to prevent flocculation.

(Remember to be careful about redissolution of the paint film.)



Q6:

Adhesion of matter falling from the conveyor system.

A6:

- Wash the matter away with the final rinsing spray.
- Conduct cleaning regularly so that nothing falls from the conveyor system.

Q7:

Adhesion of oven dirt .

A7:

Clean the oven regularly to remove the glop.

Q8:

Flocculation of electrodeposition paint due to alkaline/pretreatment solution.

A8:

Reduce residual pretreatment solution.