



Specialty Products **FAQ**

Coating Adhesion on Welded Joints

Q1: I purchased a set of SPC control arms and when I unboxed them, it appears to have rust on the weld areas. Is this normal?

A1: Yes, however what you are seeing is not rust, but small pools of silicone which are a by-product of the welding process. For control arms that are assembled by welding, silicone is added to the weld filler material to help draw out impurities in the weld. This silicone floats to the top of the weld pool and condenses on the surface. Like the majority of steel OEM chassis parts, SPC control arms are finished by Electrophoretic Painting or E-coat for short. E-coat is a cross between plating and painting, where a part is immersed in a solution containing a paint emulsion. An electric charge draws the paint to the part, which is then cured to form a rust-resistant finish. Because silicone is non-conductive, E-coat will not adhere to areas where silicone has pooled from welding. This is a normal byproduct of the process and does not impact the life of the part.

