

## **Effect of spot welding current and cycles on the mechanical properties of welded galvanized steel sheets**

### **Abstract**

Studies on the effects of welding current and cycles were carried on the galvanized steel sheets using spot welding. The welding currents used were 3 kA, 5 kA 6 kA and the welding cycles were 4, 6 and 8. Tensile shear and tensile peel load were determined on the joint of welded specimens. The results showed that the value of tensile shear load was lower than tensile peel load. The strength of the joint increased with the increasing of welding current and welding cycle used in the welding process.

### **Keywords**

Mechanical properties; Spot welding; Tensile shear