



# The Challenge with Hot-Dip Galvanizing

When it comes to wall ties, the hot-dip and spun galvanizing process just wasn't cutting it. The lightweight and narrow design of wall ties caused them to float, stick together, and bend during the coating process. This led to uneven coating thickness, voids. Plus, parts often ended up twisted or stuck together, making packaging a nightmare.

## The Packaging Problem



Hand sorting became a necessity to separate the stuck parts, which significantly increased packaging time. During this process, we also discovered another issue: coating powder and dust residue that needed to be cleaned up before packaging.

## Our Solution



The Dundee team sprang into action to find a cost-effective solution that would deliver a superior product to installers. Collaborating with experts in the galvanizing and steel industries, we pinpointed the issues: the chemical composition of the steel and the post-production galvanization process.

## The Game-Changer: Mechanical Galvanizing



By tweaking the steel composition and switching from hot-dip and spun galvanizing to mechanical galvanizing, we achieved a breakthrough. Our new process ensures a well-bonded, evenly coated, and dust-free surface. The result? A vastly improved product for our customers, streamlined internal packaging, and a better experience for the end user.

