

APPLICATION STORY

tesa step up to bonding challenge

When a leading motorhome and caravan manufacturer wanted to improve the cosmetics of a step plate and reduce overall bonding times, they approached the tesa team for guidance.

Application and current method

Before contacting tesa, the manufacturer was screwing the step plate onto the tow bar.

Customer issue

Using mechanical fastening for the step plate wasn't creating aesthetically pleasing results. Furthermore, this technique was not the most efficient and would take a long time to secure the part onto the tow bar. The manufacturer was ultimately seeking a solution that would provide a reliable bond but also increase productivity by speeding up the bonding process.

tesa assessment and proposal

The tesa team carried out an assessment of the application in question and determined that tesa® ACX^{plus} 7096 was the ideal product for the application, due to its excellent adhesion to the step plate material. This double-sided acrylic foam tape consists of a high-performance acrylic system and is primarily characterised by its bonding power and stress dissipation characteristics, with no requirement of any surface pre-treatments.

Outcome

Due to its innovative functional adhesive layer that makes strong bonds to low surface energy substrates possible, tesa® ACX^{plus} 7096 successfully improved the efficiency of step plate bonding. No need for welding equipment resulted in a significantly reduced process time and better-looking results, without sacrificing any bond strength.

