

APPLICATION STORY

tesa® ACX^{plus} 7094 steps up to the plate

When a leading manufacturer of heavy truck bodies needed a bonding solution for checker plates on the side of trucks, they approached the tesa team for guidance.

Application and current method

The manufacturer had historically used mechanical fixings, specifically rivets, to attach checker plates to the side of their vehicles. Whilst this proved a secure enough solution, it was a time-consuming process and not suitable aesthetically in the long-term.

Customer issue

Rust stains from the rivets became visually noticeable as this is a common issue when this type of mechanical fixing begins to rust. The company began considering a tape option to eliminate this and also improve on productivity, by avoiding the need to drill holes every 50mm along the length of an average 7m truck.

tesa assessment and proposal

The tesa team carried out an assessment of the application in question and determined that tesa® ACX^{plus} 7094 would be the most appropriate solution. The manufacturer would need to bond steel checker plates onto powder coated surfaces without the use of adhesion promoter and do so in potentially cold working environments. tesa ACX^{plus} 7094 can be applied in temperatures as low as freezing (0°C) and can bond to powder coated surfaces without the use of any adhesion promoter.

Outcome

With its high adhesion level and ability to perform in low temperatures, tesa® ACX^{plus} 7094 has proved a successful alternative to traditional mechanical fixing. Implementing this tape has not only eliminated the rust spots that were previously forming, but has also led to the desired increase in productivity with considerable time now saved in the side plate application process.



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