



tesa® ACX^{PLUS} SUCCESS STORY

Transforming Electrical Transformer Manufacturing

Adhesive manufacturer tesa has made a name for itself as one of the world's leading suppliers of adhesive solutions. In business for nearly a century, tesa has become synonymous with solid solutions and rock-steady customer service.

From the early days until now, the company has continued expanding its products and services around the globe.

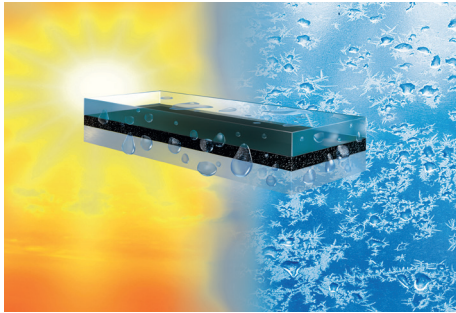
Electronics, Automotive, Transportation, Appliance — name any industry, and we will name our solution. We've got a tape for every task!



tesa® ACX^{plus} product family

tesa® ACX^{plus}

- Double-sided acrylic foam tape
- Bonding power
- Stress dissipation
- Temperature resistance
- Weather resistance



CHALLENGE

A manufacturer of electrical transformers was struggling with sealants on their production line. They needed to seal electrical bottles to the tops of transformers, and the silicone they were using was simply not practical.

Besides making a mess, the sticky silicone sealant took a long time to dry, so the production process was slow. Then, even after the 24-hour wait for the drying sealant, there wasn't a guarantee it would seal fully. Machine operators were finding a lot of leakage and having to send too many transformers back for reworking and resealing. The whole process was creating a ton of extra work!

If that wasn't enough, sometimes they didn't catch a leaky bottle, and the company ended up having to recall products altogether. After all the time and money put into building the transformers, the company's efforts had started to feel pointless. And the bills for all the rework and recalls just kept adding up.

SOLUTION

The tesa® ACXplus fit the bill. A high-performing acrylic core tape with unique bonding superpowers, tesa® ACXplus is built to optimize production processes.

Its superpowers include:

- Strong bonding power
- The ability to bond on materials with different surface characteristics
- An acrylic adhesive that adapts well and enables optimal wetting
- Varying thickness that compensates for rough, uneven surfaces
- Viscoelasticity that allows stress to dissipate
- The ability to bear extreme temperature changes without losing the secure bond
- Resistance to temperature, weather, UV, and chemical influences

The strength of its bond, varying thickness, and ability to adhere to a variety of surfaces made tesa® ACXplus a perfect solution for the electrical transformer manufacturer. With a strong adhesive taking the place of the sticky silicone, all the icky mess immediately disappeared.

That 24-hour wait for the silicone to dry? Gone! With tesa® ACXplus, there's no waiting. Once the tape's attached, the bottle's sealed, and production rolls on!

Company leaders don't ever have to worry about leakage, rework, or recalls either.

RESULTS

The superpowers of tesa® ACXplus sealed the deal for the electrical transformer manufacturer. With less downtime on the production line, fewer leaky electrical bottles, and a reduction in the number of transformer recalls, the company is moving forward toward its production goals.

And it's getting there faster without that 24-hour lag, sitting around waiting for sealant to dry!

Collaborating on this project was a win-win — tesa solved a pressing problem for its client; the manufacturer met a nagging need for its clients.

Now both are looking toward the future with an eye on more potential collaborations. And the biggest winner of all is the clients we serve!

Technical Data

Product	Backing	Type of Adhesive	Color	Total Thickness [µm]	Adhesion to steel [N/cm]	Temperature resistance [°F]	Elongation at break [%]
tesa® ACXplus	Formed Acrylic	Pure Acrylic	Deep Black	2000	16	120	100

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Creating the bonds that drive people and the world forward