

TWEHA® TAPE EXPLAINED - FAST, CLEAN AND RELIABLE BONDING TECHNOLOGY

Modern construction and industrial production increasingly demand bonding solutions that are:

- Faster;
- Cleaner;
- More efficient;
- Easier to process;
- Technically reliable.

That is exactly where TWEHA® Tape technology makes the difference.

TWEHA® Tape is much more than a simple double-sided tape. It is an advanced bonding solution based on Pressure Sensitive Adhesive Technology (PSA), designed to improve production efficiency, simplify installation, and provide immediate bonding performance.

How TWEHA® Tape Works

TWEHA® Tape is coated on both sides with a **Pressure Sensitive Adhesive (PSA)**

This means the bond is created simply by Applying Pressure to the interface between the tape and the substrate.

Unlike liquid adhesives, no curing reaction is required after application.

The tape is already fully cured during manufacturing and achieves its bonding function immediately through:

- Mechanical bonding;
- Electrostatic interaction at the surface interface.

Three Key Characteristics of TWEHA® Tape

Pressure-sensitive adhesive tapes are defined by three essential properties:

1. Permanent Adhesive Strength

The tape creates a durable long-term bond with excellent holding power.

2. Adhesion with Light Pressure

Only moderate pressure is required to establish bonding contact.

3. No Transition from Liquid to Solid

Unlike liquid adhesives, there is no curing phase after application.

This means:

- No waiting times;
- No drying process;
- No curing delays.

Immediate Processing Strength

One of the biggest advantages of TWEHA® Tape is Instant Processing Strength.

Once pressure is applied, the bond immediately provides handling strength.

This creates major advantages:

- Production speed;
- Assembly efficiency;
- Installation flexibility.

Please note that lower temperatures may slow down the pressure-sensitive bonding process somewhat, as temperature influences surface interaction.

Easy and Efficient Application

TWEHA® Tape is designed for simple and practical use.

Benefits include:

- Fast application;
- Clean processing;
- No mixing;
- No curing equipment;
- No mess on-site.

This significantly reduces installation complexity and labor time.

Consistent Bond Line Thickness

Unlike liquid adhesives, tape systems provide a Constant and Controlled Joint Thickness.

This improves:

- Bonding consistency;
- Load distribution;
- Assembly precision;
- Production quality.

Flexible Design Possibilities

TWEHA® Tape is available in:

- Different thicknesses;
- Versions with or without carriers;
- Functional foam-based constructions.

This allows engineers and installers to select the ideal tape configuration for specific applications.

Perfect for Modern Product Design

Pressure-sensitive adhesive tapes provide excellent freedom in product and façade design. They make it possible to:

- Bond dissimilar materials;
- Avoid visible mechanical fixings;
- Preserve surface appearance;
- Reduce structural stress.

Because no drilling or welding is required, the substrate surfaces remain completely intact.

Improved Production Efficiency

TWEHA® Tape supports Pre-Assembly Capabilities throughout the entire production and installation chain.

Ready-to-use converted forms allow:

- Faster assembly;
- More accurate positioning;
- Simplified logistics;
- Increased manufacturing efficiency.

Reduced Galvanic Corrosion

When different metals come into direct contact, galvanic corrosion may occur over time. TWEHA® Tape acts as A Protective Barrier Between Metals helping reduce the risk of galvanic corrosion and improving long-term durability.

Smart Bonding Technology for Modern Applications

Today's industries increasingly require bonding solutions that combine:

- Speed;
- Precision;
- Durability;
- Flexibility;
- Clean processing.

At TWEHA®, our tape technologies help customers simplify assembly processes while improving both technical performance and production efficiency.

Because modern bonding is no longer only about strength — it is also about smarter and faster ways of building

TWEHA®, 2026