

USE TWEHA® ADHESIVES TO SHORTEN WINTER

Reliable Façade Bonding Even in Cold Weather Conditions

Winter conditions can create major challenges on construction sites. Low temperatures, moisture, frost, and difficult weather conditions often lead to delays, reduced productivity, and increased installation risks.

But with the right bonding technology and proper application procedures, façade installation does not have to stop when temperatures drop.

TWEHA® bonding systems are specifically developed to support safe and reliable façade bonding — even under demanding winter conditions.

Continue Working During Winter Conditions



Cold weather has a direct influence on the behavior of adhesives and façade materials. Lower temperatures slow down curing processes and can affect handling characteristics if products are not used correctly. However, by following the correct procedures and using the proper TWEHA®

components, façade professionals can continue working safely and efficiently, even at temperatures below: **Winter Application Temperature: -20°C (-4°F).**

Store Bonding Products Correctly

Proper storage is essential for maintaining adhesive performance during winter.

TWEHA® bonding products should always be stored at temperatures above:

Recommended Storage Temperature 5°C (41°F).

If products have been exposed to lower temperatures, they must be allowed to gradually adapt back to normal processing temperature conditions.

It is important:

- Never to force rapid heating of the products
- Not to use direct heating sources
- To avoid sudden temperature shocks

Improper reheating may negatively affect the product chemistry and compromise bonding performance.

TWEHA® Components Suitable for Extreme Cold

TWEHA® offers specially prescribed bonding components that remain suitable for application at temperatures down to: **Low Temperature Processing -20°C (-4°F)**.

These advanced systems are not sensitive to occasional frost or low ambient temperatures during installation.

This allows façade professionals to extend the working season significantly and reduce costly winter delays.

Lower Temperatures Mean Longer Curing Times

Although TWEHA® bonding systems remain functional at low temperatures, it is important to understand that colder conditions slow down the curing process.

In general:

- Lower temperatures = slower curing
- Higher temperatures = faster curing

This extended curing time must always be considered during project planning and handling of freshly bonded façade elements.

Protect Newly Bonded Façades During Winter

Freshly bonded façade assemblies should always be protected immediately after installation during cold or wet weather conditions.

Protective covering helps prevent:

- Moisture exposure
- Frost influence during curing
- Excessive cooling of the adhesive
- Contamination during the curing process

Simple protection measures can significantly improve bonding reliability and long-term performance during winter applications.

Dry and Clean Surfaces Are Essential

Regardless of temperature, successful bonding always depends on proper surface preparation.

Before bonding, façade panels must always be:

- Clean
- Dry
- Free from dust and contamination
- Completely free from moisture and ice

This is not only critical for achieving reliable adhesion, but also for safe handling during installation.

Vacuum Handling Also Depends on Dry Surfaces

Many façade panels are transported and positioned using vacuum lifting systems. Ice, condensation, or moisture on the panel surface can prevent vacuum disks from achieving sufficient grip, creating additional safety risks during installation.

Ensuring dry and frost-free surfaces therefore contributes to both:

- Safe transport and handling
- Reliable bonding performance

Extend Your Construction Season with TWEHA®

Winter conditions no longer must bring façade installation projects to a halt.

With the right bonding systems, proper procedures, and professional technical guidance, façade professionals can continue working safely and efficiently throughout the colder months.

TWEHA® bonding technologies help contractors and façade specialists:

- Reduce winter delays
- Increase installation flexibility
- Maintain reliable bonding quality
- Improve project continuity
- Build safely under demanding weather conditions

TWEHA®: Reliable Bonding Under Real Site Conditions

At TWEHA®, we understand the practical realities of façade construction. Our advanced bonding systems are engineered not only for laboratory performance, but for real-world conditions on-site — including cold weather applications.

Combined with our technical expertise and façade consultancy experience, TWEHA® helps professionals achieve safe, durable, and high-performance bonding results all year round.

Would you like advice on winter façade bonding, cold-weather application procedures, or suitable TWEHA® bonding systems for your project?

Our specialists are ready to support your next project with reliable technical expertise and advanced bonding solutions.

TWEHA®, 2026