DURAMAX PVC WALL PANELS

COLD WEATHER INSTALLATION GUIDELINES

Duramax PVC panels should acclimate to a temperature between 10° and 20°C (50° and 68°F) for at least 24 hours before installation. For installations where the products must be installed below the recommended temperature range such as cold rooms or refrigeration rooms, follow the guidelines below to prevent panel damage.

ACCLIMATIZE

Store the products to the temperature of the installation room for at least 24 hours before installing.

EXTRA SPACING

Seam Spacing – When installing in temperatures below 4°C (40°F), insert a nickel (1.95mm/0.077”) between the seams of all panels before you secure them to create additional seam spacing.

When installing in temperatures between 4°C (40°F) and 10°C (50°F), insert a dime (1.35mm/0.053”) between the seams of all panels before you secure them. This will allow appropriate space for the panels to expand when the product warms up.

At Panel Ends – Increase the spacing allowed at the end of panels from the typical ¼” to 3/8”. If you are joining panels at the ends, the H Divider trim has a wide face trim and is perfect for covering the extra gap required.

The above guidelines are designed to accommodate temperature changes. If your product is being installed outside of the recommended temperature range AND will be staying at that temperature, these guidelines do not need to be followed. For example – A walk-in refrigerator that will maintain a steady temperature of 6°C will not require extra seam or panel spacing.

IMPACT

Duramax PVC panels may become more brittle in temperatures below 15°C (59°F). Direct impact in reduced temperatures can lead to product damage.

CUTTING

To ensure a clean edge, panels should be cut as directed in the installation guide. In temperatures below 5°C (41°F), it is suggested to cut the panels slower, as the edges are more susceptible to chips/cracks. It is highly recommended to perform a test cut before starting your installation to understand how the panels will perform during cutting.

TRIMS

Trims will need to be cut much slower in temperatures below 5°C. Flanges will become more susceptible to cracking at lower temperatures. Where possible, use tin snips for cutting trims to avoid the possibility of cracked or broken edges.

RADIANT HEAT

All sources of radiant heat must be shielded and located with a minimum of 24” clearance between themselves and Duramax PVC panels. Consult the manufacturer of your heater for further guidelines regarding any necessary shielding and clearances before installing.

SUNLIGHT

Prolonged sunlight exposure in cold climates may cause exposed panels to expand differently than those in the shade. Following the above guidelines will help ensure that the installed system is able to handle these differences.

FAQs

What is the maximum service temperature for Duramax PVC panels?

The recommended maximum service temperature is 50°C (122°F).

Can I install a heater directly onto Duramax PVC panels?

No. Heaters should be shielded and kept a minimum of 24” away from the panels. Consult the manufacturer of your heater for further guidelines regarding any necessary shielding and clearances before installing.

Can I power wash my garage or car wash wall in temperatures below 0°C?

Yes, power washing may be done in reduced temperature environments, provided the guidelines below are followed:

1. Power washing nozzle should be at least 4-6 ft away from the wall.
2. Use a small-to mid-size power washer with less than 3,000 psi.
3. Use a wide spray nozzle angle (40-degree or greater is preferred) to distribute the water pressure across the wall.

Can Duramax PVC panels be used outdoors?

While indoor climate-controlled environments are preferred, outdoor environments where the product is sheltered from environmental factors is permissible, provided the practices outlined in the cold weather installation guide can be followed.

For instance, detached garages and car wash stations (preferably with a covered bay door) are permissible. The use of a heat source to mitigate drastic daily temperature swings is recommended. Ceiling cover to protect the product from full sunlight exposure and other harsh environmental conditions is also recommended.

Duramax PVC panels are not recommended in outdoor environments where the product cannot be sheltered from environmental factors. For instance, the product is not recommended for use as exterior cladding or siding.