

# HIMACS Interior Wall Installation

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**HM2170**

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## Introduction

This section guides the fabrication installation of HIMACS sheet for interior wall(vertical application).

## Overview

HIMACS sheet material of any thickness can be used in interior applications for full-height or partial height (like wainscot) wall cladding in dry environments, or for wetwalls in showers and for tub surrounds. However, do not apply HIMACS to any wall material that has been damaged or discolored by moisture. The general method to get the interior wall fabrication with stable quality will be addressed in this section.

## Note !

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Contact LX Hausys HIMACS territory manager or distributor of your market for specific questions and information.

## 1. Wall Cladding in Dry Interior Environments

The wall material to which the HIMACS will be applied must be structurally sound, in-plane within 1mm in 1m vertically and horizontally, and free from surface irregularities or defects.

Any source of moisture within or behind the existing wall materials must be eliminated. HI-MACS is not a structural or waterproofing material, it is a decorative surfacing material.

### Process

- Make openings for any wall penetrations such as electrical outlets and switches using a router.
- Make these openings at least 12mm larger in overall height and width than the actual device, radius all corners at least 3mm and smooth-sand the cut edges with 150-grit sanding material.
- Larger openings require corners to have a radius of 6mm.
- Adhere the material to the existing wall material using 100% silicone sealant only.
- Apply the silicone sealant in one 25mm diameter “spots” spaced 100mm to 150mm apart.
- Apply a continuous bead of silicone sealant along the entire perimeter of the HIMACS material including any cutouts.
- Do not use a dark-color silicone sealant because it may be visible through the HIMACS material.

For applications larger than sheet dimensions the HIMACS can be seamed using joint adhesive or color-matched silicone sealant. Adhesive joints should be completed before the material is placed. 100% silicone sealant joints can be done with the material in place. In dry applications the seams can be either vertical or horizontal. For wet environments seams should be vertical to facilitate raining.

For any thickness material provide for expansion control joints of not less than 6mm in 300mm vertically and horizontally. Provide the same space at inside corners and at floors and/or ceilings. If expansion/control joints are present in the backer material the HIMACS expansion/control joint must be placed at the same location. Expansion/control joints and other spaces are closed with color-matched 100% silicone sealant.

Attach batten strips, seam reinforcement, crown or base trim, and corner trim as required using 100% silicone sealant.

## 2. Wall Cladding for Wet Walls and Tub Surrounds

### Note !

*ever use HIMACS for any surface in a steam room, steam shower, sauna, or similar environment.*

The wall material to which the HIMACS will be applied must be a moisture-resistant material such as a cementitious backer board. That surface must structurally sound, in-plane within 1mm in 1m vertically and horizontally, and free from surface irregularities or defects.

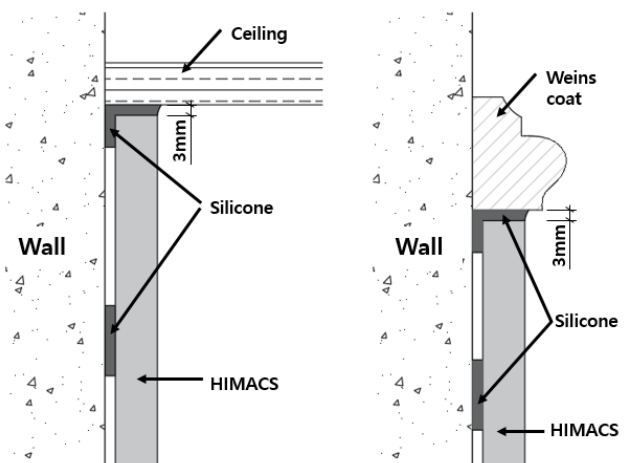
Any source of moisture within or behind the existing wall materials must be eliminated. HIMACS is not intended to be a structural or waterproofing material to deal with outside moisture infiltration issues, it is a decorative surfacing material.

The backer board material must terminate at least 12mm above the floor/shower pan to prevent any moisture (including condensation) from “wicking” up the backer board.

### Process

- Adhere the material to the existing wall material using 100% silicone sealant only.
- Do not use a dark-color silicone sealant because it may be visible through the HIMACS material.
- Apply the silicone sealant in 25mm diameter “spots” spaced 100mm 150mm apart.
- Apply a continuous bead of silicone sealant along the entire perimeter of the HIMACS material and any cutouts.

**Fig. 2-1. Wall cladding to ceiling or Wains coat**



For applications larger than sheet dimensions the HIMACS can be seamed using joint adhesive or color-matched silicone sealant. Adhesive joints should be completed before the material is placed. 100% silicone sealant joints can be done with the material in place. In wet wall applications the seams should be vertical, not horizontal, for better drainage.

For any thickness material provide for expansion control joints of not less than 6mm in 300mm vertically and horizontally. If expansion/control joints are present in the backer material the HIMACS expansion/control joint(s) must be placed at the same location.

Make penetrations for shower controls, shower heads, and faucets using a router. Make these openings at least 12mm larger in diameter than the actual device penetration, smooth-sand the cut edges with 150-grit sanding material, and use 100% silicone sealant to prevent water penetration behind any trim or escutcheon.

Provide 3mm space where the wall panels meet the shower floor or pan. Provide the same space at inside corners and at floors and/or ceilings. Expansion control joints and other spaces are closed with color-matched 100% silicone sealant.

Attach batten strips, crown or base trim, and corner trim as required using 100% silicone sealant.

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