HIMACS Backsplashes and Upstands

HM2130

Version : 21V3

Updated : December. 2021

Introduction

This section guides the fabrication of HIMACS sheet Backsplashes and Upstands.

Overview

There are different possibilities of backsplashes (upstands) in different designs and manufacturing costs involved. The different design can be fabricated in different manufacturing processes depending on the methods to be chosen. The minimum general method to get the backsplash fabrication with stable quality will be addressed in this section.

Visit our web site at www.lxhausys.com for the latest version of HIMACS fabrication guidelines.
Contact LX Hausys HIMACS territory manager or distributor of your market for specific questions and information.

1. Consideration between design and fabrication

Backsplashes have a variety of design options. And, HIMACS backsplashes and upstands have two purpose. One is decorative and another one is functional.

Backsplashes that have been fabricated with wrong or improper method will be lead to failure like cracks because of stress. Sometimes, wrong and improper method may make concentration and/or rise of stress. But, the properly fabricated backsplashes will help to strengthen the assembly of HIMACS sheet. Therefore, the design and fabrication should be well matched for the durability.

And, some designs for backsplash will be more suitable for specific colors having vein, pearl/glitter, large chip and translucent effect. The fabrication methods in this section are generally suitable for Solid color and Granite color having small to medium chips. Refer to 'HM2140 HIMACS Fabrication for specific colors' for HIMACS sheets having vein, pearl/glitter, large chip and translucent effect.

2. Fabricating backsplashes

2-1. Standard backsplash

The standard backsplash is jointing HI-MACS strip that trimmed off with a radius of 3 to 6mm and fixed with acrylic based silicon adhesive. Rebating the bottom of backsplash will get longer durability of silicone.

Process

- Confirm the installed countertop, and measure the proper size to prepare backsplash.
- Check and remove any obstacles on the wall and countertop.
- Make backsplash to proper size. Rebate the bottom of it for stable applying of silicon. And, make round edge of it.
- Wipe edge of backsplash and countertop to be seamed with denatured alcohol.
- Prepare color matched and mold resistant silicone, and put continues wide bead on the entire seam area of the countertop.
- Apply hot melt adhesive on the back side of backsplash at every 300mm.
- Put the backsplash in correct position.
- Apply silicone at the joint part between counter top and backsplash.
- Apply silicone at the joint part between backsplash and wall.
- Wipe surplus sealant.

Fig. 2-1. Preparing standard backsplash

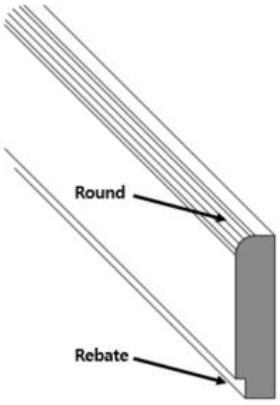
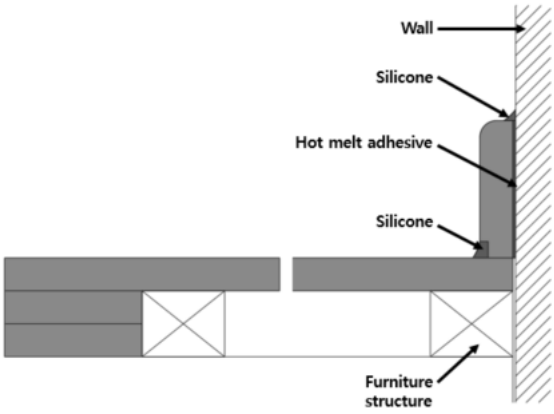


Fig. 2-2. Installing standard backsplash



2-2. Curved backsplash

To avoid any build up moisture or bacteria the curved backsplash is recommended as the most ideal solution, especially in wet areas, like sinks or vanities. But also many other applications can be designed in a way that´s easy to clean.

Process

- Make curve strip with a radius in 8mm at the edge and 20mm width.
- Cut a piece for backsplash in 32mm width. And, make round edge of it.
- Make a rebate in 20mm width and 4mm depth on the back of a countertop.
- Bond the strip of the curve and backsplash together. After curing time sand it.
- Insert the curved backsplash into the counter top and finish off by trimming and sanding according to 'HM2090 HIMACS seaming' and 'HM2100 HIMACS finishing(Sanding and Polishing)'.

Fig. 2-3. Preparing curved backsplash

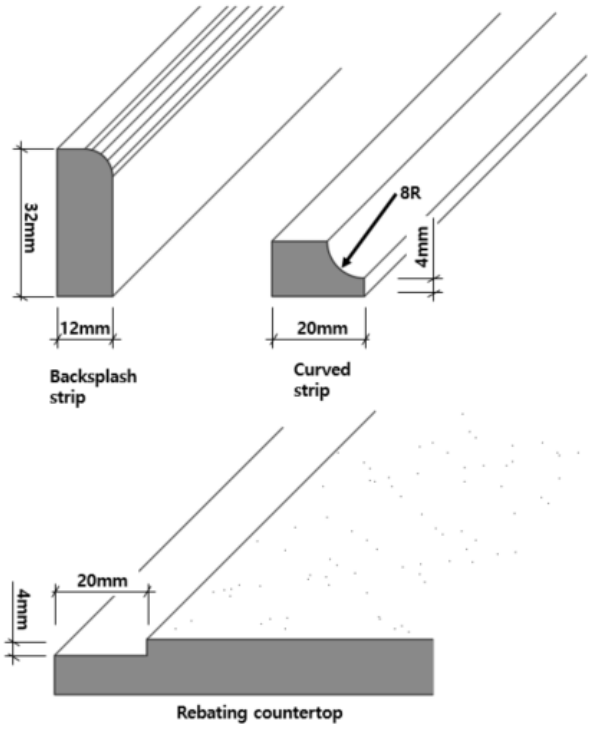
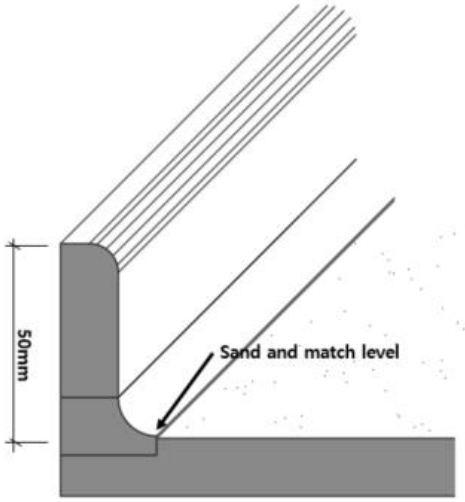


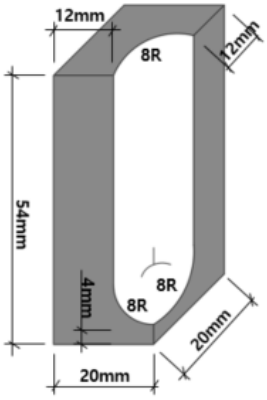
Fig. 2-4. Fabricating curved backsplash



Inside corner block

To set up a inside corner, prepare a corner piece according to the radius you have chosen – here radius (R8). Based on a 50mm height backsplash, prepare a block of 20mm x 20mm x 62mm. On a special router prepare the inside radius or plunge in with a router bit after positioning and gluing.

Fig. 2-5. Fabricating curved inside corner block



This corner block can be joined with curved backsplash to keep the strong points of curved backsplash.

2-3. V-Grooving

V-grooving is a useful fabrication method for curved joint. Specially, V-grooving is more useful to save time for huge amount fabrication. However, it needs investment for specialized machine. And, enough reinforcing also needs for long service life.

Fig. 2-6. Preparing v-grooving backsplash

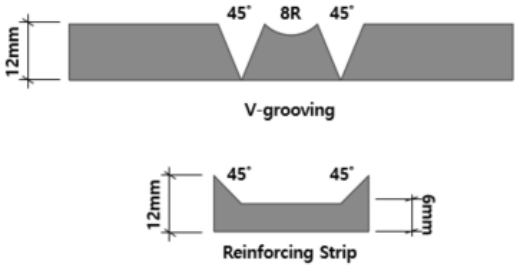
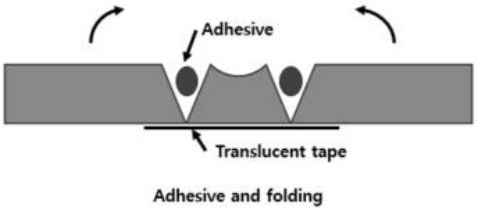
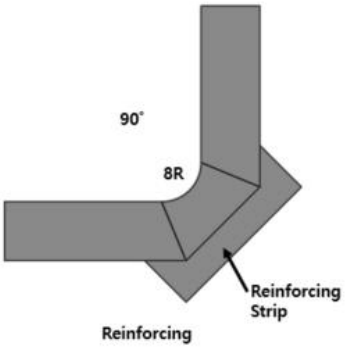


Fig. 2-7. Fabricating v-grooving backsplash





Referenced documents

'HM2140 HIMACS Fabrication for specific colors'

'HM2090 HIMACS Seaming(Bonding)'

'HM2100 HIMACS finishing(Sanding and Polishing)'

- End of Document -