Want to see what we're up to?
Check us out @duraseinsolidsurface
or durasein.com/us

Durasein
Support

Durasein

Fabrication and Installation Support

BULLETIN NO.
Support_0525

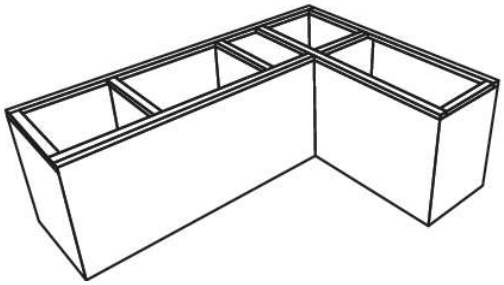
TECH INFO
Support

Correct support is a factor that is often overlooked in solid surface countertops. A properly supported countertop will resist flexion and the stresses that accompany it. This results in a countertop that is resistant to the normal wear and tear and mild abuse of a typical kitchen installation.

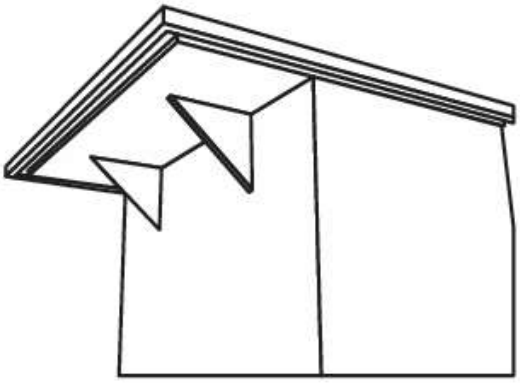
Here are the key factors for successful countertop support:

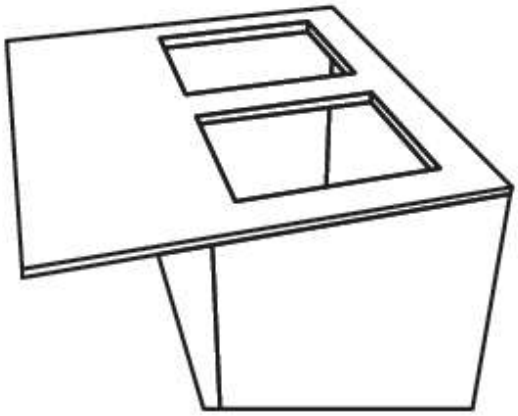
- Use support materials that are appropriate for the application. For the best results, use MDF, moisture resistant MDF (MRMDF), plywood, solid wood and similar products. Metal can also be used in cases where superior strength is needed. Particle Board and Oriented Strand Board (OSB) do not have the flexural strength required for good support. They also expand excessively with contact to moisture.

- For a typical kitchen installation, use support strips at the front and rear of the cabinets plus front-to-back pieces at each cabinet side. The support strips are generally applied in the shop to the underside of the countertop. This illustration shows how the support strips should be mounted in conjunction with the cabinet boxes.



- Support overhangs with additional elements so that the flexion at the farthest edge of the extension is minimized. This can be done best with cantilevered metal or wood supports. Continuous plywood with cutouts can also be used as long as it is independently supported by the cabinets. Do not use full underlayment in kitchen applications or other areas that may be subject to heat above 170°F (77°C).





Durasein

Fabrication and Installation Support

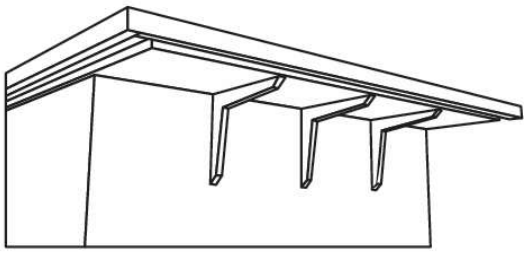
BULLETIN NO.
Support_0525

TECH INFO
Support

Durasein® Solid Surface	Length of Overhang	Support Recommendation
Standard ½" (12 mm) Countertop	Up to 6" (150 mm)	No additional support
Standard ½" (12 mm) Countertop	6" to 12" (150-300 mm)	1" plywood and/or corbels
Standard ½" (12 mm) Countertop	12" to 18" (300-450 mm)	Plywood with support brackets
Standard ½" (12 mm) Countertop	Over 18" (450 mm)	Plywood with legs or columns
Special Countertops	Varies	Welded steel Framework

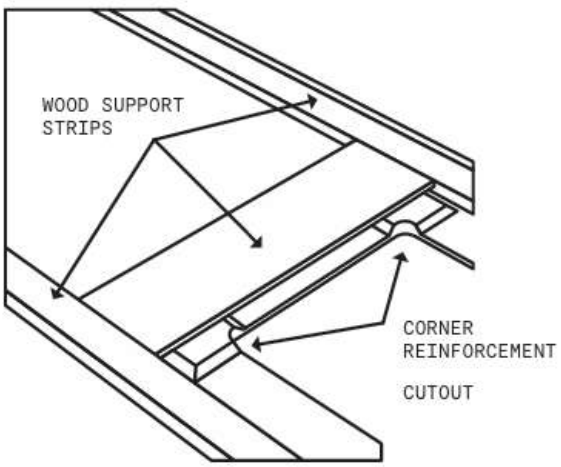
- Silicone or comparable flexible adhesives should be used to attach the counters to the support pieces. Rigid adhesives (basic construction adhesive, super glue, various wood glues, etc.) should not be used to attach solid surface products to dissimilar products.

- Corbels, brackets and legs can be used for overhang support in combination with the materials indicated above.



The table below shows suggested support materials for various overhangs.

- Cutouts need support, particularly when weight, vibration and heat are factors. It is best to have good support within 2"-3" (51-76 mm) of all the edges of the cutout.



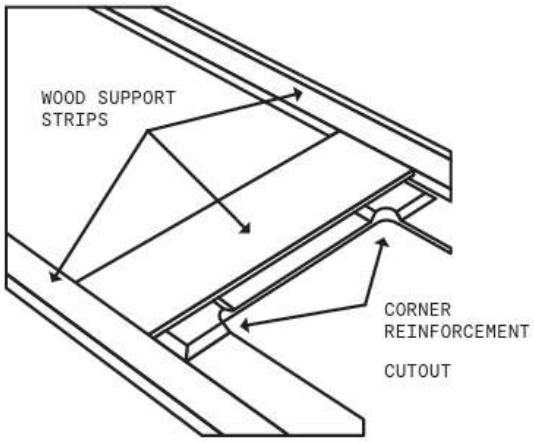
Durasein

Fabrication and Installation Support

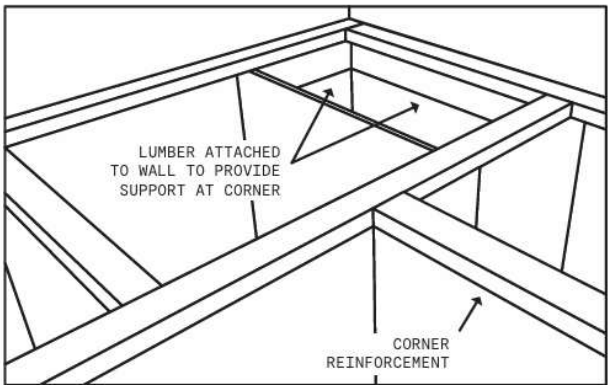
BULLETIN NO.
Support_0525

TECH INFO
Support

- When corner reinforcement blocks are encountered special care needs to be taken to be sure that both the countertop deck and the corner blocks are supported.



- Corner cabinets can have insufficient support for countertops. In “U” and “L” shaped configurations, be sure there is satisfactory support under the countertops at all corners. For corner cabinet configurations that do not provide a cabinet box in the corner, you will need to add strips of wood along the wall and tied into the wall studs. Inside corners are sensitive to stress so the support needs to eliminate flexing of the corner area. This is frequently encountered with “Lazy Susan” cabinets.



Durasein

Fabrication and Installation Support

BULLETIN NO.
Support_0525

TECH INFO
Support

Durasein reserves the right to make changes to this information and to this disclaimer. This information provided by Durasein is based on technical data and experience with Durasein® Solid Surface products and is intended for use by persons having technical skill and at their own risk and discretion. Durasein does not warrant this information is absolutely current and accurate and assumes no liability for accuracy, completeness, or usefulness of any information. No representation or warranties, express or implied with respect to this information, including any warranties of title, non-infringement of copyright or patent rights of others, merchantability, or fitness or suitability for any purpose are made by Durasein as conditions of use are not within the control of Durasein. This information should not be relied upon for creating specifications, designs, or installation guidelines. The persons responsible for use and handling of products are responsible for ensuring the design, fabrication, or installation methods present no safety or health hazards. Durasein does not have liability and assumes no liability for the use of results obtained from such information, whether or not information is based on negligence by Durasein. Durasein shall not be liable for (i) any damages, including claims relating to the specification, design, fabrication, installation, or combination of this product with any other product(s), and (ii) special, direct, indirect, or consequential damages. Nothing herein is to be taken as a license to infringe or a recommendation to operate under any patents. Use or access of this information shall be deemed your acceptance of this disclaimer and any changes.

Copyright © 2025 Durasein. Durasein® is a registered trademark of Relang International LLC and its affiliates. All rights reserved.