

# CORIAN® SOLID SURFACE WITH RESILIENCE TECHNOLOGY™

## Product Name

Corian® Solid Surface with Resilience Technology

## Manufacturer

Corian® Design  
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Wilmington, DE 19805  
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## PRODUCT DESCRIPTION

### Basic use

Corian® Solid Surface is an advanced composite product used as an architectural and design material in a variety of residential and commercial applications. Corian® Solid Surface offers design versatility, functionality and durability. Supplied in sheets and shapes, it can be fabricated with conventional woodworking tools into virtually any design. It is the original solid surface material made only by DuPont. It is widely accepted as a material for countertops, vanity tops, tub/shower walls, kitchen sinks, vanity basins and laboratory bench tops in numerous markets including lodging, healthcare, banks, boutiques, restaurants.

### Corian® Solid Surface with Resilience Technology™

Corian® Solid Surface with Resilience Technology™ features superior damage forgiveness, easier and quicker stain removal, and less need for maintenance. This best-in-class premium technology reduces physical and visible damage from scratching, heat, and impact, typical of daily usage in commercial environments. Scratch Hardnesses as measured by ASTM G171 are 65-95% greater than those for similar colors.

## PHYSICAL PROPERTIES

Property	Test	Typical Result
Density	ASTM D792	1.7 g/cm <sup>3</sup>
Approximate weight per square foot 12 mm (½")		4.4 lbs.
Thermal Expansion	ASTM E228	3.9 x 10 <sup>-5</sup> m/m °C (2.2 x 10 <sup>-5</sup> in./in.°F)
Hardness - Rockwell "M" Scale	ASTM D785	>94

Corian® Solid Surface with Resilience Technology™ is also quicker and easier to renew. Its surface looks new for a longer time and is easily maintained by occasional washing with water and a slightly abrasive pad by end-users. This gentle washing visibly removes low-level scratches. These superior properties are built into the material and the performance is permanent, lasting for the entire life of the material.

## GENERAL INFORMATION

This bulletin focuses on the unique aspects of Corian® Solid Surface with Resilience Technology™. For general information regarding Corian® Solid Surface please read *Corian® Product Overview* (K-27478).

## STANDARD PRODUCTS

### Corian® Solid Surface with Resilience Technology™

All colors are available in ½" x 30" x 144" (12 x 760 x 3658 mm) sheets.

### The Colors of Corian® Solid Surface with Resilience Technology™

For complete information on colors, refer to corian.com.

## PERFORMANCE PROPERTIES AND CHARACTERISTICS

Corian® Solid Surface with Resilience Technology™ shares most Physical and Mechanical properties with Corian® Solid Surface. For full details please read *Corian® Performance Properties* (K-26829), *Corian® Chemical Resistance* (K-27406), and *Corian® Fire Performance* (K 28300). Select properties are listed below.

## MECHANICAL PROPERTIES

Property	Test	Typical Result
Flexural Modulus	ASTM D790	1.2 x 10 <sup>6</sup> psi
Flexural Strength		10,000 psi
Tensile Modulus	ASTM D638	1.5 x 10 <sup>6</sup> psi
Tensile Strength		6,000 psi
Tensile Elongation		0.4 % min.
Compressive strength	ASTM C365	16,000 psi

## ADVANCED PROPERTIES<sup>‡</sup>

Property	Test	Typical Result
Stain Removal	Modified ANSI Z124.6	15-20% improvement
Scratch Hardness	ASTM G171	0.33 GPa
Finish Durability	Profilometer	50% reduction in kitchen grade scratch damage
Simple Surface Renewal		Ability to visibly remove light scratch damage

<sup>‡</sup> Visual properties compared for similar colors.

## FABRICATION AND INSTALLATION

Corian® Solid Surface with Resilience Technology™ is fabricated and installed using the same methods as standard Corian® Solid Surface.

## AVAILABILITY AND COST

### Availability

Corian® Solid Surface with Resilience Technology™ sheets are readily available through a worldwide network of Distributors and certified Fabricators/Installers.

### Cost

Cost varies with color as well as custom fabrication and installation details.

## WARRANTY

DuPont offers limited commercial and residential warranties.

## MAINTENANCE

Corian® Solid Surface with Resilience Technology™ is quicker and easier to renew. Minor repairs can be done up to a semi-gloss finish. Hand finishing of higher gloss finishes requires proper tools and techniques to get a uniform finish. Guidance for renewing the surface is available in *Corian® Solid Surface Care and Maintenance for Facility Managers* (K-29810)

## ADDITIONAL INFORMATION

For additional information or support please contact your local distributor, visit [corian.com](http://corian.com) or call 1-800-4-CORIAN (800 426-7426).

## REFERENCED DOCUMENTS

*Corian® Product Overview* (K-27478).

*Corian® Performance Properties* (K-26829)

*Corian® Solid Surface Care and Maintenance for Facility Managers* (K-29810)

*Corian® Chemical Resistance* (K-27406)

Corian® Commercial (Product Only) 10-Year Limited Warranty for North America

DuPont™ Corian® 10-Year Limited Residential Warranty for North America

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PLEASE VISIT OUR WEB SITE: [WWW.CORIAN.COM](http://WWW.CORIAN.COM) OR CONTACT YOUR CORIAN® REPRESENTATIVE  
FOR MORE INFORMATION ABOUT CORIAN® SOLID SURFACE

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